AASP African American Studies Spring 2009

AASP100 **Introduction to African American Studies**

AASP100 Introduction to African American Studies; (3 credits) Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course. CORE Diversity (D) Course.
Significant aspects of the history of African Americans with particular emphasis on the evolution and development of black communities from slavery to the present. Interdisciplinary introduction to social, political, legal and economic roots of contemporary problems faced by blacks in the United States with applications to the lives of other racial and ethnic minorities in the Americas and in other societies.

0101	Jason Nichols MWF 10:00am - 10:50am	Seats (Total: 35) LEF 1201
0102	Jason Nichols MWF 12:00pm - 12:50pm	Seats (Total: 35) LEF 1220
0103	Jonathan England TuTh 11:00am - 12:15pm	Seats (Total: 30) LEF 1220
0104	Jonathan England TuTh 2:00pm - 3:15pm	Seats (Total: 35) LEF 1201
0105	Tammy Sanders TuTh 12:30pm - 1:45pm	Seats (Total: 38) LEF 2208
0106	Tammy Sanders TuTh 2:00pm - 3:15pm	Seats (Total: 32) KEY 0121

AASP100H **Introduction to African American Studies**

AASP100H Introduction to African American Studies; (3 credits) Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course. CORE Diversity (D) Course.
Restricted to HONR students only.

0101	Jonathan England TuTh 11:00am - 12:15pm	Seats (Total: 5) LEF 1220

AASP101 **Public Policy and the Black Community**

AASP101 Public Policy and the Black Community; (3 credits) Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course.
Formerly AASP300. The impact of public policies on the black community and the role of the policy process in affecting the social, economic and political well-being of minorities. Particular attention given to the post-1960 to present era.

0101	Gniesha Dinwiddie TuTh 11:00am - 12:15pm	Seats (Total: 39) LEF 2166

AASP200 **African Civilization**

AASP200 African Civilization; (3 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course.
A survey of African civilizations from 4500 B.C. to present. Analysis of traditional social systems. Discussion of the impact of European colonization on these civilizations. Analysis of the influence of traditional African social systems on modern African institutions as well as discussion of contemporary processes of Africanization.

0101	Ibrahim Kargbo W 4:00pm - 6:30pm	Seats (Total: 35) LEF 1201

AASP202 **Black Culture in the United States**

AASP202 Black Culture in the United States; (3 credits) Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course. CORE Diversity (D) Course.
The course examines important aspects of African American life and thought which are reflected in African American literature, drama, music and art. Beginning with the cultural heritage of slavery, the course surveys the changing modes of black creative expression from the 19th-century to the present.

0101	Rachelle Williams MW 10:00am - 11:15am	Seats (Total: 35) LEF 2208
0201	Rachelle Williams MW 1:00pm - 2:15pm	Seats (Total: 35) TYD 2106

0301	Robert Choflet TuTh 11:00am - 12:15pm	Seats (Total: 35) ARM 0112
0401	Robert Choflet TuTh 2:00pm - 3:15pm	Seats (Total: 35) TYD 2111

AASP202H **Black Culture in the United States**

AASP202H Black Culture in the United States; (3 credits) Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course. CORE Diversity (D) Course.

0101	Robert Choflet TuTh 11:00am - 12:15pm	Seats (Total: 5) JRN 1105

AASP297 **Research Methods in African American Studies**

AASP297 Research Methods in African American Studies; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: AASP100 or AASP202. For AASP majors only. Not open to students who have completed AASP299R. Credit will be granted for only one of the following: AASP297 or AASP299R. Formerly AASP299R. Introduces African American Studies majors to the basic research skills, methodologies, sources, and repositories for studying African Diaspora. Students will be required to select a research topic, write a research proposal, develop an annotated bibliography, and in the process will be prepared for completing their senior thesis or other significant writing projects necessary to fulfill the requirements of the major.

0101	Gniesha Dinwiddie W 10:00am - 12:30pm	Seats (Total: 25) ASY 3221

AASP298B **Special Topics in African American Studies; Constructions of Manhood and Womanhood in the Black Community**

AASP298B Special Topics in African American Studies: Constructions of Manhood and Womanhood in the Black Community; (3 credits) Grade Method: REG/P-F/AUD.

0101	Elsa Barkley Brown TuTh 11:00am - 12:15pm	Seats (Total: 24) TLF 2103

AASP298F **Special Topics in African American Studies; Caribbean Film and Literature**
Contact department for information to register for this course.

AASP298L **Special Topics in Afro-American Studies: Introduction to African-American Literature**

AASP298L Special Topics in Afro-American Studies: Introduction to African-American Literature; (3 credits) Grade Method: REG/P-F/AUD. CORE Literature (HL) Course. CORE Diversity (D) Course.
Also offered as ENGL 234. Discussion groups will be on-line.

0101	Zita Nunes MW 11:00am - 11:50am F 9:00am - 9:50am	Seats (Total: 22) SHM 2102 SQH 2119	Discussion
0103	Zita Nunes MW 11:00am - 11:50am F 12:00pm - 12:50pm	Seats (Total: 22) SHM 2102 SQH 2121	Discussion
0104	Zita Nunes MW 11:00am - 11:50am F 1:00pm - 1:50pm	Seats (Total: 22) SHM 2102 SQH 1121	Discussion
0105	Zita Nunes MW 11:00am - 11:50am F 9:00am - 9:50am	Seats (Total: 22) SHM 2102 SQH 1107	Discussion
0106	Zita Nunes MW 11:00am - 11:50am F 10:00am - 10:50am	Seats (Total: 22) SHM 2102 SQH 1105	Discussion
0107	Zita Nunes MW 11:00am - 11:50am F 10:00am - 10:50am	Seats (Total: 22) SHM 2102 SQH 1117	Discussion
0108	Zita Nunes MW 11:00am - 11:50am F 11:00am - 11:50am	Seats (Total: 22) SHM 2102 TLF 1103	Discussion
0109	Zita Nunes MW 11:00am - 11:50am F 11:00am - 11:50am	Seats (Total: 22) SHM 2102 SQH 1119	Discussion

0110	Zita Nunes MW 11:00am - 11:50am F 11:00am - 11:50am	Seats (Total: 22) SHM 2102 SQH 1105	 Discussion

AASP298Q **Special Topics in African American Studies; Introduction to Caribbean Literature and Film**
Contact department for information to register for this course.

AASP298W **Special Topics in African American Studies; Introduction Creative Writing: African American Perspective**

AASP298W Special Topics in African American Studies: Introduction Creative Writing: African American Perspective; (3 credits) Grade Method: REG/P-F/AUD. Also offered as ENGL278C. Credit will be granted for only one of the following: AASP298W, ENGL294, ENGL294N, or ENGL278C.

0101	Valerie Turner TuTh 9:30am - 10:45am	Seats (Total: 20) NCC 0120	

AASP298Z **Special Topics in African American Studies; Jazz as a Cultural Art Form**

AASP298Z Special Topics in African American Studies: Jazz as a Cultural Art Form; (3 credits) Grade Method: REG/P-F/AUD.
Formerly: AASP298U.

0101	Ronald Zeigler M 2:00pm - 4:30pm	Seats (Total: 43) NCC 0130	

AASP303 **Computer Applications in African American Studies**

AASP303 Computer Applications in African American Studies; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: STAT100 or SOCY201 or MATH111 or equivalent. Introduction to statistics and database processing software used in model estimation and simulation in policy analysis. Special emphasis on applications for applied research on policy problems confronting minority communities.

0101	Darrell Gaskin TuTh 11:00am - 12:30pm	Seats (Total: 20) LEF 0214	

AASP305 **Theoretical, Methodological and Policy Research Issues in African American Studies**

AASP305 Theoretical, Methodological and Policy Research Issues in African American Studies; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisites: AASP301 and (STAT100 or BMGT230 or PSYC200 or SOCY201 or ECON321 or equivalent course with permission of department). Formerly AASP401. Theories and concepts in the social and behavioral sciences relating to problems in minority communities. Issues include validity and soundness of theoretical arguments, epistemological questions of various methodologies and the relationship between policy making and policy research.

0101	Odis Johnson Th 4:00pm - 6:30pm	Seats (Total: 18) LEF 1222

AASP310 **African Slave Trade**

AASP310 African Slave Trade; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: AASP100 or AASP202 or permission of department. Formerly AASP311. The relationship of the slave trade of Africans to the development of British capitalism and its industrial revolution; and to the economic and social development of the Americas.

0101	Ibrahim Kargbo W 1:00pm - 3:30pm	Seats (Total: 30) MMH 3418

AASP312 **Social and Cultural Effects of Colonization and Racism**
Contact department for information to register for this course.

AASP313 **Black Women in United States History**

AASP313 Black Women in United States History; (3 credits) Grade Method: REG/P-F/AUD.
Sophomore standing. Also offered as WMST314 and HIST329E. Credit will be granted for only one of the following: AASP498W, AASP313, HIST329E, WMST314 or WMST498N. Formerly AASP498W. Black American women's history is examined from slavery to the present. The principal focus of the readings discussions and student assignments will be based upon gaining a fuller understanding of the effect of race, class and gender on the life cycles and multiple roles of Black women as mothers, daughters, wives, workers and social change agents. A variety of primary source materials on black women's experiences will be utilized.

0101	Elsa Barkley Brown W 3:30pm - 6:00pm	Seats (Total: 30) KEY 0116

AASP314 **The Civil Rights Movement**

AASP314 The Civil Rights Movement; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: AASP100 or HIST157.* Survey of the twentieth century civil rights movement from the desegregation of UM Law School through the National Black Political Congress in Gary in 1972. Major themes include leadership, legal and constitutional challenges, non-violence, Black Power, and Pan-Africanism.

0101	Ida Jones W 6:30pm - 9:00pm	Seats (Total: 35) TYD 0101

AASP386 **Experiential Learning**

AASP386 *(PermReq)* **Experiential Learning; (3-6 credits)** Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: Permission of department. Junior standing.

Contact department for information to register for this course.

AASP396 **Independent Study Non-Thesis Option**

AASP396 Independent Study Non-Thesis Option; (3 credits) Grade Method: REG. *Prerequisites: AASP297 (formerly:AASP299R), and AASP386. Senior standing. For AASP majors only. Credit will be granted for only one of the following: AASP396 or AASP397.* A research seminar that allows African American Studies majors to complete an independent study research project in lieu of completing the AASP397: Senior Thesis. Students will examine various concepts of race, gender, labor and ethnicity in the seminar lecture component to be applied toward their specific research projects.

0101	Darrell Gaskin Tu 2:00pm - 4:30pm	Seats (Total: 10) LEF 2169S

AASP397 **Senior Thesis**

AASP397 *(PermReq)* **Senior Thesis; (3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: Permission of department. Directed research in African American Studies resulting in the completion and defense of a senior thesis.

Contact department for information to register for this course.

AASP402 **Classic Readings in African American Studies**

AASP402 Classic Readings in African American Studies; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: AASP100 or AASP202. Classic readings of the social, economic and political status of blacks and other minorities in the United States and the Americas.

0101	Sherri Beatty-Arthur	Seats (Total: 23)
	Tu 4:00pm - 6:30pm	PLS 1146

AASP411 **Black Resistance Movements**
Contact department for information to register for this course.

AASP441 **Science, Technology, and the Black Community**

AASP441 Science, Technology, and the Black Community; (3 credits) Grade Method: REG/P-F/AUD. CORE Diversity (D) Course.
Prerequisite: AASP100 or AASP202 or HIST255 or permission of department. Scientific knowledge and skills in solving technological and social problems, particularly those faced by the black community. Examines the evolution and development of African and African American contributions to science. Surveys the impact of technological changes on minority communities.

0101	Jerry Semper	Seats (Total: 35)
	W 4:00pm - 6:30pm	WDS 0104

AASP443 **Blacks and the Law**

AASP443 Blacks and the Law; (3 credits) Grade Method: REG/P-F/AUD. CORE Diversity (D) Course.
Prerequisite: AASP100 or AASP202 or HIST255 or permission of department. The relationship between black Americans and the law, particularly criminal law, criminal institutions and the criminal justice system. Examines historical changes in the legal status of blacks and changes in the causes of racial disparities in criminal involvement and punishments.

0101	Del Wright W 6:00pm - 8:30pm	Seats (Total: 35) LEF 1220

AASP468A **Special Topics in Africa and the Americas; Social Inequalities and Health in the African Diaspora**

AASP468A Special Topics in Africa and the Americas: Social Inequalities and Health in the African Diaspora; (3 credits) Grade Method: REG/P-F/AUD.

0101	Sangeetha Madhavan W 3:00pm - 5:30pm	Seats (Total: 35) TYD 0101

AASP478 **Humanities Topics in African American Studies**
Contact department for information to register for this course.

AASP478L **Humanities Topics in African American Studies; Literature and the Shaping of the Caribbean**
Contact department for information to register for this course.

AASP478Z **Humanities Topics in African American Studies; Literature and the Shaping of Caribbean Society**
Contact department for information to register for this course.

AASP498F **Special Topics in Black Culture; Women in Caribbean**
Contact department for information to register for this course.

AASP498Q **Special Topics in Black Culture; Qualitative Research Methods in Urban Studies**

AASP498Q Special Topics in Black Culture: Qualitative Research Methods in Urban Studies; (3 credits) Grade Method: REG/P-F/AUD.

0101	Joseph Richardson Tu 4:00pm - 6:30pm	Seats (Total: 30) KEY 0125

AASP498R **Special Topics in Black Culture; Race and Sports**

AASP498R Special Topics in Black Culture: Race and Sports; (3 credits) Grade Method: REG/P-F/AUD.

0101	Jonathan England	Seats (Total: 35)
	TuTh 3:30pm - 4:45pm	MMH 0108

AASP498W **Special Topics in Black Culture; Washington and Prince George's History, Culture, and Public Policy**

AASP498W Special Topics in Black Culture: Washington and Prince George's History, Culture, and Public Policy; (3 credits) Grade Method: REG/P-F/AUD.

0101	Jonathan England	Seats (Total: 35)
	M 3:00pm - 5:30pm	LEF 1201

AASP499T **Advanced Topics in Public Policy and the Black Community; Race, Poverty, Violence and the Juvenile Justice System: A Theoretical and Contextual Analysis of Social Capital**

AASP499T Advanced Topics in Public Policy and the Black Community: Race, Poverty, Violence and the Juvenile Justice System: A Theoretical and Contextual Analysis of Social Capital; (3 credits) Grade Method: REG/P-F/AUD.

0101	Joseph Richardson	Seats (Total: 30)
	W 4:00pm - 6:30pm	KEY 0126

AAST Asian American Studies Spring 2009

AAST200 **Introduction to Asian American Studies**

AAST200 Introduction to Asian American Studies; (3 credits) Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course. CORE Diversity (D) Course.

The aggregate experience of Asian Pacific Americans, from developments in the countries of origin to their contemporary issues. The histories of Asian Pacific American groups as well as culture, politics, the media, and stereotypes, viewed from an interdisciplinary perspective. Also offered as AMST298C.

0101	Julie Park	Seats (Total: 40)
	TuTh 4:00pm - 5:15pm	JMZ 2206

AAST201 **Asian American History**

AAST201 Asian American History; (3 credits) Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course. CORE Diversity (D) Course. Introduction to the history of Asian Americans in the United States and the Americas and to the field of Asian American Studies, from an interdisciplinary perspective. Topics include theories of race and ethnicity; Asian migration and diaspora to the Americas; Asian American work and labor issues; gender, family, and communities; nationalism and nativism, and anti-Asian movements; Asian Americans, World War II, the Cold War, and the issues in the civil rights & post-civil rights era. Also offered as HIST219M.

0101	Larry Shinagawa MW 9:00am - 9:50am M 10:00am - 10:50am	Seats (Total: 20) ASY 1213 TLF 1101	Discussion
0102	Larry Shinagawa MW 9:00am - 9:50am M 12:00pm - 12:50pm	Seats (Total: 20) ASY 1213 TLF 1103	Discussion
0103	Larry Shinagawa MW 9:00am - 9:50am M 2:00pm - 2:50pm	Seats (Total: 20) ASY 1213 TLF 1103	Discussion
0104	Larry Shinagawa MW 9:00am - 9:50am W 1:00pm - 1:50pm	Seats (Total: 20) ASY 1213 TLF 1101	Discussion

AAST233 **Introduction to Asian American Literature**

AAST233 Introduction to Asian American Literature; (3 credits) Grade Method: REG/P-F/AUD. CORE Literature (HL) Course. CORE Diversity (D) Course. *Also offered as ENGL233. Not open to students who have completed ENGL233, AAST298L. Credit will be granted for only one of the following: ENGL233, AAST233, or AAST298L. Formerly AAST298L.* A survey of Asian American literature with an emphasis on recurrent themes and historical context.

0101	Lawrence-Minh Davis W 5:00pm - 7:30pm	Seats (Total: 35) PLS 1117	

AAST378 **Experiential Learning**

AAST378 *(PermReq)* **Experiential Learning; (3 credits)** Grade Method: REG/P-F/AUD.

0101	Larry Shinagawa	Seats (Total: 5)
	Contact instructor or department for details.	

AAST388 **Independent Research**

AAST388 *(PermReq)* **Independent Research; (1-3 credits)** Grade Method: REG/P-F/AUD.

0101	Larry Shinagawa	Seats (Total: 5)
	Contact instructor or department for details.	

AAST398B **Selected Topics in Asian American Studies; Contemporary Asian American Literature of the 21st Century**

AAST398B Selected Topics in Asian American Studies: Contemporary Asian American Literature of the 21st Century; (3 credits) Grade Method: REG/P-F/AUD. Also offered as ENGL379B.

0101	Lawrence-Minh Davis	Seats (Total: 40)
	Tu 5:00pm - 7:30pm	ASY 3211

AAST398D **Selected Topics in Asian American Studies; Filipino American History and Biography**

AAST398D Selected Topics in Asian American Studies: Filipino American History and Biography; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as AMST398P. Click here to view course descriptions.

0101	Gemirald Daus	Seats (Total: 40)
	MW 5:00pm - 6:15pm	ASY 3203

AAST398L **Selected Topics in Asian American Studies; Asian Americans in Film**

AAST398L Selected Topics in Asian American Studies: Asian Americans in Film; (3 credits) Grade Method: REG/P-F/AUD.

0101	Gerald Maa F 1:00pm - 3:30pm	Seats (Total: 40) ASY 3203

AAST420 **Asian American Women: The Social Construction of Gender**

AAST420 Asian American Women: The Social Construction of Gender; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as WMST420. Not open to students who have completed WMST420. Credit will be granted for only one of the following: AAST420 or WMST420. Examines the intersection of gender, race and class as it relates to Asian American women in the United States; how institutionalized cultural and social statuses of gender, race, ethnicity and social class produce and reproduce inequality in the lives of Asian American women.

0101	Seung-Kyung Kim Th 3:00pm - 5:30pm	Seats (Total: 30) PLS 1117

AAST424 **Sociology of Race Relations**

AAST424 Sociology of Race Relations; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: Six credits in sociology or permission of department. Also offered as SOCY424. Not open to students who have completed SOCY424. Credit will be granted for only one of the following: AAST424 or SOCY424. Analysis of race-related issues, with a primary focus on American society. The historical emergence, development, and institutionalization of racism; the impact of racism on its victims; and racially based conflict.

0101	Anthony Hatch TuTh 8:00am - 9:15am *Department requested to hold 10% and the limit should not exceed 90%.*	Seats (Total: 30) ASY 3203
0201	Daniel Williams MW 2:00pm - 3:15pm	Seats (Total: 28) ASY 3219
0301	Daniel Williams MW 3:30pm - 4:45pm	Seats (Total: 42) ASY 3207

AAST498E **Advanced Topics in Asian American Studies; Asian American Sexualities**

AAST498E Advanced Topics in Asian American Studies: Asian American Sexualities; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as LGBT448E.

0101	Gemirald Daus	Seats (Total: 40)
	MW 12:00pm - 1:15pm	ASY 3203

AAST498J **Advanced Topics in Asian American Studies; South Asia Diaspora**

AAST498J Advanced Topics in Asian American Studies: South Asia Diaspora; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as HIST429G and WMST498W.

0101	Jyoti Mohan	Seats (Total: 35)
	F 12:00pm - 2:30pm	PLS 1111

AAST498L **Advanced Topics in Asian American Studies; Immigration and Ethnicity in the United States**

AAST498L Advanced Topics in Asian American Studies: Immigration and Ethnicity in the United States; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as HIST429V.

0101	George Wu	Seats (Total: 30)
	W 5:00pm - 7:30pm	ASY 3207

AAST498M **Advanced Topics in Asian American Studies; Asian American Public Policy**

AAST498M Advanced Topics in Asian American Studies: Asian American Public Policy; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as AMST418N.

0101	Philip Nash	Seats (Total: 40)
	M 5:00pm - 7:30pm	ASY 3207

AGNR Agriculture and Natural Resources Spring 2009

AGNR323 **Developing Youth Programs**

AGNR323 Developing Youth Programs; (3 credits) Grade Method: REG/P-F/AUD. *Formerly AGRI323.* Concepts involved in planning and executing nonformal educational programs developed to meet the needs of youth. Emphasize the identification of opportunities; needs, and problems of youth in all socioeconomic levels; analysis of methods of working with youth groups and developing volunteer staff.

0101	William Rivera	Seats (Total: 25)
	TuTh 2:00pm - 3:15pm	JMP 2202

AGNR388 **Honors Thesis Research**

AGNR388 *(PermReq)* **Honors Thesis Research; (3-6 credits)** Grade Method: REG.

0101	Leon Slaughter	Seats (Total: 20)
	Contact instructor or department for details.	

AGNR400 **International Agricultural Extension and Development**

AGNR400 International Agricultural Extension and Development; (3 credits) Grade Method: REG/P-F/AUD. CORE Diversity (D) Course.
Formerly AGRI400. Examination of the social and ethical issues that shape extension's role in the agriculture sector of countries worldwide and that determine its contribution to international development. Review of a wide range of literature from scholars, governments, and international organizations.

0101	William Rivera	Seats (Total: 20)
	TuTh 9:30am - 10:45am	PLS 1119

AGNR422 **International Agriculture Science and Culture**

AGNR422 *(PermReq)* **International Agriculture Science and Culture; (6 credits)** Grade Method: REG.
Prerequisite: Permission of department. Immersion-based, intensive course of study in a foreign agricultural education setting. UM Students will study with local students in a variety of University classes and field experiences in agriculture, natural resources and environmental sciences, laboratory science, economics, education technology, etc. Students will learn customs, culture and language of the host country.

0101	Instructor: TBA	Seats (Total: 1)
	Contact instructor or department for details.	

AGNR489 **Field Experience; Travel Study Seminar**

AGNR489 *(PermReq)* **Field Experience: Travel Study Seminar; (1 credit)** Grade Method: REG/P-F/AUD.

0101	Leon Slaughter	Seats (Total: 2)
	Contact instructor or department for details.	

AGNR499 **Special Problems**

AGNR499 *(PermReq)* **Special Problems; (1 credit)** Grade Method: REG/P-F/AUD.

0101	William Rivera	Seats (Total: 3)
	Contact instructor or department for details.	

AMSC Applied Mathematics & Scientific Computation Spring 2009

AMSC452 **Introduction to Dynamics and Chaos**

AMSC452 Introduction to Dynamics and Chaos; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisites: MATH240 and MATH246. Also offered as MATH452. Credit will be granted for only one of the following: AMSC452, MAPL452, or MATH452. Formerly MAPL452. An introduction to mathematical dynamics and chaos. Orbits, bifurcations, Cantor sets and horseshoes, symbolic dynamics, fractal dimension, notions of stability, flows and chaos. Includes motivation and historical perspectives, as well as examples of fundamental maps studied in dynamics and applications of dynamics.

0101	Denny Gulick	Seats (Total: 34)
	MWF 10:00am - 10:50am	MTH 0101

AMSC460 **Computational Methods**

AMSC460 *(PermReq)* **Computational Methods; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisites: MATH240; and MATH241; and CMSC106 or CMSC114 or ENEE114. Also offered as CMSC460. Credit will be granted for only one of the following: AMSC/CMSC/MAPL460 or AMSC/CMSC/MAPL466. Formerly MAPL460. Basic computational methods for interpolation, least squares, approximation, numerical quadrature, numerical solution of polynomial and transcendental equations, systems of linear equations and initial value problems for ordinary differential equations. Emphasis on methods and their computational properties rather than their analytic aspects. Intended primarily for students in the physical and engineering sciences.

0101	Jeffery Cooper TuTh 11:00am - 12:15pm	Seats (Total: 30) MTH 0105
0201	Harland Glaz TuTh 2:00pm - 3:15pm	Seats (Total: 30) MTH 0403

AMSC466 **Introduction to Numerical Analysis I**

AMSC466 *(PermReq)* **Introduction to Numerical Analysis I; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisites: MATH240; and MATH241; and CMSC106 or CMSC114 or ENEE114. Also offered as CMSC466. Credit will be granted for only one of the following: AMSC/CMSC/MAPL460 or AMSC/CMSC/MAPL466. Formerly MAPL466. Floating point computations, direct methods for linear systems, interpolation, solution of nonlinear equations.

0101	Miguel Pauletti MWF 1:00pm - 1:50pm	Seats (Total: 30) MTH 0307

AMSC498A **Selected Topics in Applied Mathematics**

AMSC498A *(PermReq)* **Selected Topics in Applied Mathematics; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

AMSC661 **Scientific Computing II**

AMSC661 Scientific Computing II; (3 credits) Grade Method: REG.
Prerequisite: AMSC/CMSC/MAPL 460 or AMSC/CMSC/MAPL 466 or knowledge of basic numerical analysis (linear equations, nonlinear equations, integration, interpolation) with permission of instructor. Knowlege of C or Fortran. Also offered as CMSC 661. Credit will be granted for only one of the following: AMSC 661, CMSC 661 or MAPL 661. Formerly MAPL661. Fourier and wavelet transform methods, numerical methods for elliptic partial differential equations, numerical linear algebra for sparse matrices. Finite element methods, numerical methods for tiem dependent partia l differential equations. Techniques for scientific computation with an introduction to the theory and software for each topic. Course is part of a two course sequence (660 and 661), but can be taken independently.

0101	Doron Levy	Seats (Total: 30)
	TuTh 12:30pm - 1:45pm	MTH 0409

AMSC664 **Advanced Scientific Computing II**

AMSC664 Advanced Scientific Computing II; (3 credits) Grade Method: REG.
Prerequisite: AMSC 663 and permission of instructor. Also offered as CMSC 664. Credit will be granted for only one of the following: AMSC 664 or CMSC 664. In the sequence MAPL 663, MAPL 664 students work on a year-long individual project to develop software for a scientific task in a high performance computing environment. Lectures will be given on code development and validation, parallel algorithms for partial differential equations, nonlinear systems, optimization.

0101	Radu Balan	Seats (Total: 25)
	TuTh 5:00pm - 6:15pm	MTH 1313

AMSC666 **Numerical Analysis I**

AMSC666 Numerical Analysis I; (3 credits) Grade Method: REG/AUD.
Prerequisites: AMSC/CMSC/MAPL 466; and MATH 410. Also offered as CMSC 666. Credit will be granted for only one of the following: AMSC 666, CMSC 666 or MAPL 666. Formerly MAPL666. Iterative methods for linear systems, piecewise interpolation, eigenvalue problems, numerical integration.

0101	Peter Wolfe	Seats (Total: 30)
	MWF 9:00am - 9:50am	MTH 0106

AMSC667 **Numerical Analysis II**

AMSC667 Numerical Analysis II; (3 credits) Grade Method: REG/AUD. *Prerequisite: AMSC/CMSC/MAPL 666. Also offered as CMSC 667. Credit will be granted for only one of the following: AMSC 667, CMSC 667 or MAPL 667. Formerly MAPL667.* Nonlinear systems of equations, ordinary differential equations, boundary value problems.

0101	Tobias von Petersdorff	Seats (Total: 25)
	MWF 11:00am - 11:50am	MTH 1313

AMSC674 **Partial Differential Equations II**

AMSC674 Partial Differential Equations II; (3 credits) Grade Method: REG/AUD. *Prerequisite: AMSC/MAPL/MATH673 or permission of instructor. Also offered as MATH674. Credit will be granted for only one of the following: AMSC674, MAPL674 or MATH674. Formerly MAPL674.* Boundary value problems for elliptic partial differential equations via operator-theoretic methods. Hilbert spaces of functions. Duality, weak convergence. Sobolev spaces. Spectral theory of compact operators. Eigenfunction expansions. Course is offered in the Spring semester only.

0101	Charles Levermore	Seats (Total: 25)
	TuTh 11:00am - 12:15pm	MTH B0423

AMSC689 **Research Interactions in Applied Mathematics and Scientific Computation**

AMSC689 *(PermReq)* **Research Interactions in Applied Mathematics and Scientific Computation; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

AMSC698 **Advanced Topics in Applied Mathematics**

AMSC698 Advanced Topics in Applied Mathematics; (1-4 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

AMSC698A **Advanced Topics in Applied Mathematics**

AMSC698A Advanced Topics in Applied Mathematics; (1-4 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

AMSC698D **Advanced Topics in Applied Mathematics; Data Analysis Project**

AMSC698D Advanced Topics in Applied Mathematics: Data Analysis Project; (1 credit) Grade Method: REG.

0101	Eric Slud	Seats (Total: 10)
	Meets March 23, 2009 - May 12, 2009	
	Contact instructor or department for details.	

AMSC698M **Advanced Topics in Applied Mathematics; Introduction to Financial Mathematics**

AMSC698M Advanced Topics in Applied Mathematics: Introduction to Financial Mathematics; (3 credits) Grade Method: REG/AUD.
Also offered as MAIT679M.

0101	Enrico Au Yeung	Seats (Total: 20)
	Tu 6:00pm - 8:45pm	MTH 3206

AMSC799 **Master's Thesis Research**

AMSC799 Master's Thesis Research; (1-6 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

AMSC898 **Pre-Candidacy Research**

AMSC898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

AMSC899 **Doctoral Dissertation Research**

AMSC899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

AMST American Studies Spring 2009

AMST201 **Introduction to American Studies**

AMST201 Introduction to American Studies; (3 credits) Grade Method: REG. CORE Humanities (HO) Course.
Introduction to American cultural studies--past and present--by examining the concept of "self" in American autobiographical writing and the concept of "society" in accounts of various communities. Sections 0101 and 0102 are traditional classroom-based courses. Sections 0301 and 0401 are hybrid courses, taught partially online.

0101	Douglas Ishii MWF 9:00am - 9:50am	Seats (Total: 25) HZF 0101
0201	Douglas Ishii MWF 10:00am - 10:50am	Seats (Total: 25) HZF 0106
0301	Maria Velazquez MWF 1:00pm - 1:50pm	Seats (Total: 25) HZF 0106
0401	Maria Velazquez MWF 2:00pm - 2:50pm	Seats (Total: 25) HZF 0106
0501	Andrew Nelson TuTh 11:00am - 12:15pm	Seats (Total: 25) HZF 0101
0601	Andrew Nelson TuTh 2:00pm - 3:15pm	Seats (Total: 25) HZF 0101

AMST203 **Popular Culture in America**

AMST203 Popular Culture in America; (3 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course.
An introduction to American popular culture, its historical development, and its role as a reflection of and influence on our culture and society.

0101	Kache Boyd MWF 12:00pm - 12:50pm	Seats (Total: 25) HZF 0101
0201	Christopher Perez TuTh 8:00am - 9:15am	Seats (Total: 25) HZF 0106

AMST204 **Film and American Culture Studies**

AMST204 Film and American Culture Studies; (3 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course.
Exploration of the American film from a historical perspective, illustrating the motion picture's role as an institutional phenomenon, as a form of communication, and as a source of cross-cultural study.

0101	Myron Lounsbury W 6:15pm - 9:45pm	Seats (Total: 31) HBK 0302J

AMST207 **Contemporary American Cultures**

AMST207 Contemporary American Cultures; (3 credits) Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course. CORE Diversity (D) Course.
World views, values, and social systems of contemporary American cultures explored through readings on selected groups such as middle-class suburbanites, old order Amish, and urban tramps.

0101	Robert Hernandez MWF 11:00am - 11:50am	Seats (Total: 25) HZF 0101
0201	Robert Hernandez MWF 1:00pm - 1:50pm	Seats (Total: 25) HZF 0101

AMST212 **Diversity in American Culture**

AMST212 Diversity in American Culture; (3 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course. CORE Diversity (D) Course.
Exploration of the role of diversity in the shaping of American culture. Special emphasis will be placed on the multicultural origins of American popular and material culture, such as foodways and entertainment, and on the experience of "Americanization."

0101	Christine Muller TuTh 9:30am - 10:45am	Seats (Total: 25) HZF 0106
0201	Christine Muller TuTh 12:30pm - 1:45pm	Seats (Total: 25) HZF 0101

AMST298C **Introduction to Asian American Studies**

AMST298C Introduction to Asian American Studies; (3 credits) Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course. CORE Diversity (D) Course.
Also offered as AAST200.

0101	Julie Park TuTh 4:00pm - 5:15pm	Seats (Total: 40) JMZ 2206

AMST328N **Perspectives on Identity and Culture; Introduction to Native American Cultures of the United States**

AMST328N Perspectives on Identity and Culture: Introduction to Native American Cultures of the United States; (3 credits) Grade Method: REG/P-F/AUD.

0101	L Gordon M 4:00pm - 6:40pm	Seats (Total: 35) PLS 1113

AMST340 **Introduction to History, Theories and Methods in American Studies**

AMST340 *(PermReq)* **Introduction to History, Theories and Methods in American Studies; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: Two AMST courses. Sophomore standing. For AMST majors only.
Introduction to the process of interdisciplinary research, including research literatures, questions, first-hand sources and library and analytic methods in American Studies. Each student will craft a prospectus for original research.

0101	Heidi Nasstrom Evans MW 2:00pm - 3:15pm	Seats (Total: 20) HZF 0101
0201	Heidi Nasstrom Evans TuTh 9:30am - 10:45am	Seats (Total: 20) HBK 0108

AMST386 **Experiential Learning**

AMST386 *(PermReq)* **Experiential Learning; (3-6 credits)** Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: permission of department. Junior standing. Faculty mentored independent learning. Online interaction using WEBCT required.

Contact department for information to register for this course.

AMST388 **Honors Thesis**

AMST388 *(PermReq)* **Honors Thesis; (3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

AMST398 **Independent Studies**

AMST398 *(PermReq)* **Independent Studies; (1-3 credits)** Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

AMST398P **Independent Studies; Filipino American History and Biography**

AMST398P Independent Studies: Filipino American History and Biography; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as AAST398D.

0101	Gemirald Daus MW 5:00pm - 6:15pm	Seats (Total: 40) ASY 3203

AMST418D **Cultural Themes in America; Growing Up American**

AMST418D Cultural Themes in America: Growing Up American; (3 credits)
Grade Method: REG/P-F/AUD.
This is an on-line section. Students will interact and be assessed on their participation in an on-line environment. Please contact the instructor with any question at rgkelly@umd.edu.Shady Grove Business Majors Only.

SG91	R Kelly	Seats (Total: 40)
	Class time/details on ELMs	ONLINE
	This section is restricted to BMGT-Shady Grove majors who need to fulfill the Advanced Study requirement. This section is for junior Accounting, Marketing and international Business majors or senior Entrepreneurship majors. ALL students enrolled in this course must attend an introductory class on Monday,January 26, 2009 at 4:00pm in room 3202, Bldg III, Shady Grove campus, with the instructor, Professor Gordon Kelly.	

AMST418H **Cultural Themes in America; Cultural Themes in America-Honors**

AMST418H *(PermReq)* **Cultural Themes in America: Cultural Themes in America-Honors; (3 credits)** Grade Method: REG/P-F/AUD.

0101	John Caughey	Seats (Total: 5)
	Contact instructor or department for details.	
0201	R Kelly	Seats (Total: 5)
	Contact instructor or department for details.	
0301	Myron Lounsbury	Seats (Total: 5)
	Contact instructor or department for details.	
0401	Mary Sies	Seats (Total: 5)
	Contact instructor or department for details.	
0601	Jo Paoletti	Seats (Total: 5)
	Contact instructor or department for details.	
0801	Sheri Parks	Seats (Total: 5)
	Contact instructor or department for details.	
0901	Nancy Struna	Seats (Total: 5)
	Contact instructor or department for details.	
2301	Psyche Williams-Forson	Seats (Total: 5)
	Contact instructor or department for details.	

2401	Christina Hanhardt	Seats (Total: 5)
	Contact instructor or department for details.	

AMST418L **Cultural Themes in America; Asian Religions in American Culture**

AMST418L Cultural Themes in America: Asian Religions in American Culture; (3 credits) Grade Method: REG/P-F/AUD.

0101	John Caughey	Seats (Total: 35)
	TuTh 9:30am - 10:45am	TYD 0101

AMST418N **Cultural Themes in America; Asian American Public Policy**

AMST418N Cultural Themes in America: Asian American Public Policy; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as AAST498M.

0101	Philip Nash	Seats (Total: 40)
	M 5:00pm - 7:30pm	ASY 3207

AMST418R **Cultural Themes in America; Identity in American Culture**

AMST418R Cultural Themes in America: Identity in American Culture; (3 credits) Grade Method: REG/P-F/AUD.
This is an on-line section. Students will interact and be assessed on their participation in an on-line environment. Please contact the instructor with any question at rgkelly@umd.edu.

0101	R Kelly	Seats (Total: 35)
	Class time/details on ELMs	ONLINE

AMST418Y **Cultural Themes in America; Urban America, Youth Organizing and Social Justice**

AMST418Y Cultural Themes in America: Urban America, Youth Organizing and Social Justice; (3 credits) Grade Method: REG/P-F/AUD.

0101	Johonna McCants Tu 12:30pm - 1:45pm Class time/details on ELMs	Seats (Total: 5) SG3 3226 ONLINE	 Discussion
	This section meets in Shady Grove and is restricted to American Studies majors.		
SG91	Johonna McCants Tu 12:30pm - 1:45pm Class time/details on ELMs	Seats (Total: 30) SG3 3226 ONLINE	 Discussion
	This section will meet in Shady Grove.		

AMST429N **Perspectives on Popular Culture; The Screwball Comedy Film:Interrogating Gender, Class and Rationality**

AMST429N Perspectives on Popular Culture: The Screwball Comedy Film:Interrogating Gender, Class and Rationality; (3 credits) Grade Method: REG/P-F/AUD.
This class will meet in Hornbake Non-print Media.

0101	Greg Metcalf Tu 3:30pm - 6:30pm	Seats (Total: 35) Location: TBA

AMST429P **Perspectives on Popular Culture; Los Angeles: Media and Urban Space**

AMST429P Perspectives on Popular Culture: Los Angeles: Media and Urban Space; (3 credits) Grade Method: REG/P-F/AUD.

0101	Myron Lounsbury Tu 2:00pm - 4:00pm Th 2:00pm - 4:45pm	Seats (Total: 35) HBK 0302H HBK 0302H

AMST450 **Seminar in American Studies**

AMST450 *(PermReq)* **Seminar in American Studies; (3 credits)** Grade Method: REG. CORE Capstone (CS) Course.
Prerequisite: Nine hours prior coursework in American Studies, including AMST201. Senior standing. For AMST majors only. Developments in theories and methods of American Studies scholarship, with emphasis upon interaction between the humanities and the social sciences in the process of cultural analysis and evaluation.

0101	Sheri Parks MW 10:00am - 11:15am	Seats (Total: 18) HZF 1108
0201	Christina Hanhardt TuTh 9:30am - 10:45am	Seats (Total: 18) HZF 1108
0301	Myron Lounsbury TuTh 11:00am - 12:15pm	Seats (Total: 18) HZF 1108

AMST498A **Special Topics in American Studies; Re-searching the Image in the Latino Archive**

AMST498A *(PermReq)* **Special Topics in American Studies: Re-searching the Image in the Latino Archive; (3 credits)** Grade Method: REG.

0101	Ivette Rodriguez-Santana TuTh 9:30am - 10:45am	Seats (Total: 15) PLS 1172

AMST498R **Special Topics in American Studies; Race and Cinema in the 20th Century United States**

AMST498R Special Topics in American Studies: Race and Cinema in the 20th Century United States; (3 credits) Grade Method: REG.

0101	Robert Chester Th 4:00pm - 6:40pm	Seats (Total: 35) PLS 1111

AMST498W **Special Topics in American Studies; Women, Food and Identity**

AMST498W Special Topics in American Studies: Women, Food and Identity; (3 credits) Grade Method: REG.

0101	Psyche Williams-Forson MW 10:00am - 11:15am	Seats (Total: 35) HBK 0302H

AMST603 **Current Approaches to American Studies**

AMST603 Current Approaches to American Studies; (3 credits) Grade Method: REG/AUD.
For AMST majors only or permission of department. Permission of instructor required for non-A MST graduate students. Builds on AMST601 and explores contemporary literature, theory, and intellectual issues in American Studies.

0101	Mary Sies	Seats (Total: 15)
	Tu 4:00pm - 6:40pm	HZF 1108

AMST628E **Seminar in American Studies; The Strong Black Woman in American Culture and Mythology**

AMST628E Seminar in American Studies: The Strong Black Woman in American Culture and Mythology; (3 credits) Grade Method: REG/AUD.

0101	Sheri Parks	Seats (Total: 15)
	M 4:00pm - 6:40pm	HZF 0106

AMST628J **Seminar in American Studies; Life History Research**

AMST628J Seminar in American Studies: Life History Research; (3 credits) Grade Method: REG/AUD.

0101	John Caughey	Seats (Total: 15)
	Th 4:00pm - 6:40pm	HZF 1108

AMST629D **Seminar in American Studies; Race, Class and Material Culture**

AMST629D Seminar in American Studies: Race, Class and Material Culture; (3 credits) Grade Method: REG/AUD.

0101	Psyche Williams-Forson	Seats (Total: 15)
	W 4:00pm - 6:40pm	HZF 1108

AMST629K **Seminar in American Studies; Immigration and Ethnicity in the United States**

AMST629K Seminar in American Studies: Immigration and Ethnicity in the United States; (3 credits) Grade Method: REG/AUD.
Also offered as HIST619N.

0101	Lisa Mar W 3:30pm - 6:00pm	Seats (Total: 12) TLF 2100

AMST655 **Introduction to Museum Scholarship**

AMST655 Introduction to Museum Scholarship; (3 credits) Grade Method: REG/AUD.
Restricted to graduate students in American Studies, Anthropology, Historic Preservation, or History (including HILS), or others by permission of department. Also offered as HIST 610. Credit will be granted for only one of the following: AMST 638C, AMST 655, HIST 610, or HIST 619C. Formerly AMST638C. Provides students a basic understanding of museums as cultural and intellectual institutions. Topics include the historical development of museums, museums as resources for scholarly study, and the museum exhibition as medium for presentation of scholarship. The class will be held in the National Museum of American History.

0101	Ellen Hughes, Bernard Finn W 4:00pm - 6:40pm	Seats (Total: 15) Location: TBA

AMST698 **Directed Readings in American Studies**

AMST698 *(PermReq)* **Directed Readings in American Studies; (3 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

AMST798 **Non-Thesis Research**

AMST798 Non-Thesis Research; (1-3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

AMST799 **Master's Thesis Research**

AMST799 Master's Thesis Research; (1-6 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

AMST857 **Museum Scholarship Practicum**

AMST857 Museum Scholarship Practicum; (3-6 credits) Grade Method: REG. *Prerequisite: AMST856 and Permission of Museum Scholarship Program. Credit will be granted for only one of the following: AMST857 or HIST811.* Students devise and carry out a research program using the collections at the Smithsonian Institution or some other cooperating museum, working under joint supervision of a museum professional and a university faculty member. Also offered as HIST811.

0101	Nancy Struna	Seats (Total: 5)
	Contact instructor or department for details.	
0401	Mary Sies	Seats (Total: 5)
	Contact instructor or department for details.	

AMST898 **Pre-Candidacy Research**

AMST898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

AMST899 **Doctoral Dissertation Research**

AMST899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ANSC Animal Science Spring 2009

ANSC110 **Pasture Management and Hay Production**

ANSC110 Pasture Management and Hay Production; (2 credits) Grade Method: REG/P-F/AUD.
Credit will be granted for only one of the following: ANSC110 or INAG116.
Identification of forage species suitable for grazing and hay production for horses and other livestock. Crop production including: fertilization and nutrient management, irrigation and drought management, grazing management, weed identification and control, facility layout and design.

0101	Kristen Wilson TuTh 11:00am - 11:50am	Seats (Total: 20) JUL 1123	

ANSC212 **Applied Animal Physiology**

ANSC212 Applied Animal Physiology; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: ANSC211 or equivalent.* The physiology of domesticated animals with emphasis on functions related to homeostasis, and the physiological adaptation to environmental influences.

0101	Edward Orlando, Mark Varner MWF 1:00pm - 1:50pm	Seats (Total: 80) ANS 0408	

ANSC214 **Applied Animal Physiology Laboratory**

ANSC214 Applied Animal Physiology Laboratory; (1 credit) Grade Method: REG/P-F/AUD.
Pre- or corequisite: ANSC212. Application of physiological laboratory techniques to domestic and lab animals.

0101	Edward Orlando, Tom Porter M 2:00pm - 5:00pm	Seats (Total: 20) ANS 1144	Lab
0102	Tom Porter, Edward Orlando W 2:00pm - 5:00pm	Seats (Total: 20) ANS 1144	Lab
0103	Edward Orlando, Tom Porter F 2:00pm - 5:00pm	Seats (Total: 20) ANS 1144	Lab

ANSC232 **Horse Management**

ANSC232 Horse Management; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: ANSC101 and ANSC103. Credit will be granted for only one of the following: ANSC232 or ANSC332. Formerly ANSC332.* An introductory course on the care, management, and use of horses. Major topics include the industry, breeds, conformation, feeding, health, reproduction, facilities and business.

0101	Amy Burk MW 11:00am - 11:50am F 9:00am - 11:00am	Seats (Total: 21) ANS 0408 ANS 0412	 Lab
0102	Amy Burk MW 11:00am - 11:50am F 2:00pm - 4:00pm	Seats (Total: 21) ANS 0408 ANS 0412	 Lab
0103	Amy Burk MW 11:00am - 11:50am F 12:00pm - 2:00pm	Seats (Total: 8) ANS 0408 ANS 0412	 Discussion

ANSC235 **Applied Small Ruminant Parturition**

ANSC235 *(PermReq)* **Applied Small Ruminant Parturition; (2 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: grade of C/2.0 or better in ANSC101, ANSC103 and permission of department. Not open to students who have completed Lamb Watch. Popularly known as 'Lamb Watch', the course provides an immersion environment for learning and understanding pre- and post-natal care of ewes and lambs through direct, hands-on involvement in the birthing process and care of the neonate through weaning. Covered topics include zoonoses, basic reproductive physiology of the sheep, normal and abnormal delivery, management of lambs, qualitative assessment, breeding principles, etc.

0101	Tom Porter Tu 8:00am - 8:50am Contact instructor or department for details.	Seats (Total: 30) ANS 0408	

ANSC237 **Equine Reproduction**

ANSC237 Equine Reproduction; (2 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ANSC232. Credit will be granted for only one of the following: ANSC237 or INAG233. Students learn the fundamental skills necessary to manage equine reproductive services including anatomy and physiology of genital tracts, estrus detection, control of cycle, survey of reproductive techniques, infertility, mare, foal and stallion management, and equine genetics. One or two weekend laboratory sessions will be required.

0101	Erin Pittman TuTh 2:00pm - 2:50pm	Seats (Total: 25) PLS 1113	

ANSC244 **Dairy Cattle Type Appraisal**

ANSC244 Dairy Cattle Type Appraisal; (1 credit) Grade Method: REG/P-F/AUD. *Prerequisite: Permission of department.* Laboratory. Analysis of dairy cattle type with emphasis on the comparative judging of dairy cattle.

0101	Kiera Finucane M 2:00pm - 2:50pm	Seats (Total: 5) ANS 0412	

ANSC260 **Laboratory Animal Management**

ANSC260 Laboratory Animal Management; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ANSC101 and ANSC103. Credit will be granted for only one of the following: ANSC260 or ANSC413. Formerly ANSC413. A comprehensive course in care and management of laboratory animals. Emphasis will be placed on physiology, anatomy and special uses for the different species. Disease prevention and regulations for maintaining animal colonies will be covered. Field trips will be required.

0101	Angela Black MW 8:00am - 8:50am F 8:00am - 10:00am	Seats (Total: 10) ANS 0412 Location: TBA	 Lab
0102	Angela Black MW 8:00am - 8:50am F 10:00am - 12:00pm	Seats (Total: 10) ANS 0412 Location: TBA	 Lab

ANSC315 **Applied Animal Nutrition**

ANSC315 Applied Animal Nutrition; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ANSC314. Elements of nutrition, source characteristics and adaptability of various feedstuffs to several classes of livestock. A study of the composition of feeds, nutrient requirements and computerized formulation of economic diets and rations for livestock.

0101	Clara Angel MW 12:00pm - 12:50pm Th 8:00am - 10:00am	Seats (Total: 27) ANS 0408 ANS 1144	 Lab
0102	Clara Angel MW 12:00pm - 12:50pm F 12:00pm - 2:00pm	Seats (Total: 22) ANS 0408 ANS 0473	 Lab

ANSC327 **Molecular and Quantitative Animal Genetics**

ANSC327 Molecular and Quantitative Animal Genetics; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisites: ANSC101, ANSC103, BSCI105, and CHEM131. Classical, molecular, and population genetics with specific emphasis on animal systems will be covered. Also, disseminate information on molecular approaches for manipulating genetics at the whole animal level (transgenic and cloning). Other model organisms will be discussed to provide a conceptual framework.

0101	Iqbal Hamza, Frank Siewerdt MW 9:00am - 10:15am	Seats (Total: 60) ANS 0408

ANSC340 **Health Management of Animal Populations**

ANSC340 Health Management of Animal Populations; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ANSC212. Recommended: BSCI223. Credit will be granted for only one of the following: ANSC340 or ANSC412. Formerly ANSC412. A study of common and emerging animal diseases and their prevention and control. The main focus will be on livestock and poultry diseases. However, zoonotic, wildlife, and laboratory animal diseases will also be discussed along with risk assessment, bioterrorism counter-measures, and animal welfare, especially as these topics interface or impact animals used in food production.

0101	Nathaniel Tablante TuTh 11:00am - 12:15pm	Seats (Total: 40) ANS 0412

ANSC386 **Experiential Learning**

ANSC386 *(PermReq)* **Experiential Learning; (3-6 credits)** Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: Permission of department. Junior standing.

Contact department for information to register for this course.

ANSC398V **Seminar - Research; Veterinary Medicine, Options and Opportunities**

ANSC398V Seminar - Research: Veterinary Medicine, Options and Opportunities; (1 credit) Grade Method: REG/P-F/AUD.

0101	Bettye Walters	Seats (Total: 25)
	W 9:00am - 9:50am	ANS 0412

ANSC399 **Special Problems in Animal Science**

ANSC399 *(PermReq)* **Special Problems in Animal Science; (1-2 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ANSC420 **Critical Thinking in Animal Science**

ANSC420 Critical Thinking in Animal Science; (3 credits) Grade Method: REG/P-F/AUD. CORE Capstone (CS) Course.
Prerequisite: ANSC314 and junior standing. Recommended: AREC250 and AREC306. Employ methods to systematically solve selected problems that typically arise on farms or allied businesses related to animal enterprises.

0101	Robert Peters	Seats (Total: 20)
	W 1:00pm - 5:00pm	ANS 0412

ANSC435 **Experimental Embryology**

ANSC435 Experimental Embryology; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: ANSC212. Recommended: Reproductive Physiology. Credit will be granted for only one of the following: ANSC435 or ANSC489M. Formerly ANSC489M.* Experimental approaches to mammalian embryology with emphasis on domestic livestock systems as applied to research and production systems. Lab will include hands-on experiments and demos of in vitro embryo production, embryo splitting, cell injection and nuclear transfer.

0101	Carol Keefer	Seats (Total: 12)	
	Tu 2:00pm - 3:15pm	ANS 1144	
	Th 2:00pm - 5:00pm	ANS 1144	Lab

ANSC450 **Animal Breeding Plans**

ANSC450 Animal Breeding Plans; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: BIOM301 or equivalent. Junior standing.* Design of animal breeding programs for the genetic improvement of livestock and companion animal species. Principles of population and quantitative genetics. Genetic evaluations of animals, selection strategies and crossbreeding systems. Incorporation of advanced statistics and biotechnology into animal breeding plans.

0101	Frank Siewerdt	Seats (Total: 40)
	MWF 2:00pm - 2:50pm	ANS 0408

ANSC452 **Avian Physiology**

ANSC452 Avian Physiology; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: ANSC212. 60 semester hours.* The digestive, excretory, respiratory, circulatory, immune, skeletal muscle, endocrine and nervous systems of avian species will be examined.

0101	Nickolas Zimmermann	Seats (Total: 20)
	TuTh 2:00pm - 3:15pm	ANS 0402

ANSC453 **Animal Welfare and Bioethics**

ANSC453 Animal Welfare and Bioethics; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: ANSC101 and ANSC103; or BSCI106; or permission of instructor. Junior standing.* Ethical concerns related to the use of animals in modern society. Historical and philosophical overview of animal welfare and bioethics. Applied ethical discussions on human/animal interrelationships, physical and genetic manipulation, and other current issues associated with the treatment of animals used in food production, research, zoos, and as pets.

0101	William Stricklin	Seats (Total: 35)
	MW 8:00am - 9:50am	SYM 0200

ANSC489 **Current Topics in Animal Science**

ANSC489 Current Topics in Animal Science; (1-3 credits) Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ANSC489B **Current Topics in Animal Science; Animal Learning and Motivation**

ANSC489B Current Topics in Animal Science: Animal Learning and Motivation; (1 credit) Grade Method: REG/P-F/AUD.

0101	Janet Halperin	Seats (Total: 10)
	Contact instructor or department for details.	

ANSC627 **Molecular and Quantitative Genetics**

ANSC627 Molecular and Quantitative Genetics; (3 credits) Grade Method: REG/AUD.
Classical, molecular, and population genetics with specific emphasis on animal systems will be covered. Also, disseminate information on molecular approaches for manipulating genetics at the whole animal level (transgenic and cloning). Other model organisms will be discussed to provide a conceptual framework.

0101	Iqbal Hamza	Seats (Total: 10)	
	MW 9:00am - 10:15am	ANS 0408	
	MW 10:30am - 11:15am	JUL 1105	Discussion

ANSC660 **Poultry Literature**

ANSC660 Poultry Literature; (1-4 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number. Readings on individual topics are assigned. Written reports required. Methods of analysis and presentation of scientific material are discussed.

Contact department for information to register for this course.

ANSC688P **Special Topics; 9**

ANSC688P Special Topics: 9; (3 credits) Grade Method: REG/AUD.

0101	Brian Bequette MW 1:00pm - 2:15pm	Seats (Total: 15) ANS 0402

ANSC688W **Special Topics; Advanced Animal Welfare**

ANSC688W Special Topics: Advanced Animal Welfare; (1-4 credits) Grade Method: REG/AUD.

0101	William Stricklin MW 8:00am - 9:50am Contact instructor or department for details.	Seats (Total: 6) SYM 0200

ANSC698C **Seminar; Recent Advances in Animal and Avian Sciences**

ANSC698C Seminar: Recent Advances in Animal and Avian Sciences; (1 credit) Grade Method: REG/AUD.
Credit will be granted for ANSC 698A and ANSC 698C.

0101	Nickolas Zimmermann W 4:00pm - 4:50pm	Seats (Total: 30) ANS 0467

ANSC699 **Special Problems in Animal Science**

ANSC699 *(PermReq)* **Special Problems in Animal Science; (1-2 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ANSC799 **Master's Thesis Research**

ANSC799 Master's Thesis Research; (1-6 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ANSC898 **Pre-Candidacy Research**

ANSC898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ANSC899 **Doctoral Dissertation Research**

ANSC899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ANTH Anthropology Spring 2009

ANTH220 **Introduction to Biological Anthropology**

ANTH220 Introduction to Biological Anthropology; (4 credits) Grade Method: REG/P-F/AUD. CORE Life Science Lab (LL) Course. CORE Diversity (D) Course. Human biological evolution, including the biology of contemporary human groups, non-human primate social behavior, and the fossil, biochemical, and molecular evidence for human evolution. Includes a laboratory study of human population genetics, biochemical variation, and anatomical diversity in modern and fossil human and non-human primate groups.

0101	Teresa Leslie TuTh 11:00am - 12:15pm W 8:00am - 10:00am	Seats (Total: 20) JMZ 0220 WDS 0124C	 Lab
0102	Teresa Leslie TuTh 11:00am - 12:15pm W 11:00am - 1:00pm	Seats (Total: 20) JMZ 0220 WDS 0124C	 Lab
0103	Teresa Leslie TuTh 11:00am - 12:15pm W 2:00pm - 4:00pm	Seats (Total: 20) JMZ 0220 WDS 0124C	 Lab

0104	Teresa Leslie TuTh 11:00am - 12:15pm M 8:00am - 10:00am	Seats (Total: 20) JMZ 0220 WDS 0124C	Lab
0105	Teresa Leslie TuTh 11:00am - 12:15pm M 11:00am - 1:00pm	Seats (Total: 20) JMZ 0220 WDS 0124C	Lab
0106	Teresa Leslie TuTh 11:00am - 12:15pm M 2:00pm - 4:00pm	Seats (Total: 20) JMZ 0220 WDS 0124C	Lab

ANTH240 **Introduction to Archaeology**

ANTH240 Introduction to Archaeology; (3 credits) Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course. CORE Diversity (D) Course. Exploration of the variety of past human societies and cultures through archaeology, from the emergence of anatomically modern humans to the more recent historical past.

0101	Matthew Palus TuTh 3:30pm - 4:20pm F 9:00am - 9:50am	Seats (Total: 25) MMH 1400 WDS 1131	Discussion
0102	Matthew Palus TuTh 3:30pm - 4:20pm F 11:00am - 11:50am	Seats (Total: 25) MMH 1400 WDS 1131	Discussion
0103	Matthew Palus TuTh 3:30pm - 4:20pm F 12:00pm - 12:50pm	Seats (Total: 25) MMH 1400 WDS 1131	Discussion
0104	Matthew Palus TuTh 3:30pm - 4:20pm W 9:00am - 9:50am	Seats (Total: 25) MMH 1400 WDS 1130	Discussion
0105	Matthew Palus TuTh 3:30pm - 4:20pm W 10:00am - 10:50am	Seats (Total: 25) MMH 1400 SKN 1115	Discussion

0106	Matthew Palus TuTh 3:30pm - 4:20pm W 12:00pm - 12:50pm	Seats (Total: 25) MMH 1400 SKN 1112	Discussion

ANTH260 **Introduction to Sociocultural Anthropology and Linguistics**

ANTH260 Introduction to Sociocultural Anthropology and Linguistics; (3 credits)
Grade Method: REG/AUD. CORE Behavioral and Social Science (SB) Course. CORE Diversity (D) Course.
Culture and social relationships in a wide variety of settings from small-scale to complex societies. An overview of how anthropology analyzes human behavior. Particular attention to the relationship between language and culture.

0101	Gail Thakur MW 10:00am - 10:50am F 10:00am - 10:50am	Seats (Total: 25) CSS 2324 WDS 1127	Discussion
0102	Gail Thakur MW 10:00am - 10:50am F 11:00am - 11:50am	Seats (Total: 25) CSS 2324 WDS 1127	Discussion
0103	Gail Thakur MW 10:00am - 10:50am F 12:00pm - 12:50pm	Seats (Total: 25) CSS 2324 WDS 1127	Discussion
0201	Megan Plyler TuTh 1:00pm - 1:50pm M 12:00pm - 12:50pm	Seats (Total: 25) TYD 1101 WDS 1131	Discussion
0202	Megan Plyler TuTh 1:00pm - 1:50pm W 12:00pm - 12:50pm	Seats (Total: 25) TYD 1101 WDS 1131	Discussion
0203	Megan Plyler TuTh 1:00pm - 1:50pm F 12:00pm - 12:50pm	Seats (Total: 25) TYD 1101 WDS 1114	Discussion

ANTH298X **Images of Identity: Race, Gender and Transnationalism**

ANTH298X Images of Identity: Race, Gender and Transnationalism; (3 credits) Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course. CORE Diversity (D) Course.
This course will consider how social identities are constructed, both within and among different cultures. Students critically examine stereotypes and recognize the diverse ways identities are formed and represented. Students will learn how to contextualize visual representations to help analyze and explore identity as something that is imposed, negotiated, or self-determined. Examples of categories of identity to be studied may include family, race, gender and transnational identities.

0101	Gail Thakur Tu 6:00pm - 8:40pm	Seats (Total: 25) HBK 0123

ANTH340 **Method and Theory in Archaeology**

ANTH340 Method and Theory in Archaeology; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ANTH240. For all Anthropology majors with a focus in archaeology or permission of department. Theory, method, and practice which guides modern anthropological archaeology. Includes research design and execution (from survey through excavation and interpretation), the reconstruction of aspects of past cultures, and the understanding of cultural change and meaning.

0101	David Gadsby M 2:00pm - 4:40pm	Seats (Total: 31) WDS 1114

ANTH358A **Undergraduate Teaching Assistant; Undergraduate Teaching Assistant in Archaeology**

ANTH358A *(PermReq)* **Undergraduate Teaching Assistant: Undergraduate Teaching Assistant in Archaeology; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ANTH358B **Undergraduate Teaching Assistant; Undergraduate Teaching Assistant in Bio-Anthropology**

ANTH358B *(PermReq)* **Undergraduate Teaching Assistant: Undergraduate Teaching Assistant in Bio-Anthropology; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ANTH358C **Undergraduate Teaching Assistant; Undergraduate Teaching Assistant in Cultural Anthropology**

ANTH358C *(PermReq)* **Undergraduate Teaching Assistant: Undergraduate Teaching Assistant in Cultural Anthropology; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ANTH360 **Method and Theory in Sociocultural Anthropology**

ANTH360 Method and Theory in Sociocultural Anthropology; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ANTH260. For all Anthropology majors with a focus in cultural anthropology or permission of department. Theoretical approaches and research methods in sociocultural anthropology. Emphasis on current debates, new directions, and their historical antecedents.

0101	William Stuart	Seats (Total: 35)
	TuTh 11:00am - 12:15pm	WDS 1114

ANTH386 **Experiential Learning**

ANTH386 *(PermReq)* **Experiential Learning; (1-6 credits)** Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: permission of department. Recommended: completion of advanced courses in relevant subfield of anthropology. Junior standing. For ANTH majors only.

Contact department for information to register for this course.

ANTH398A **Independent Study; Research Problems**

ANTH398A *(PermReq)* **Independent Study: Research Problems; (1-3 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ANTH398L **Independent Study; Social Anthropology of Britain**

Contact department for information to register for this course.

ANTH398R **Independent Study; Proseminar-Capstone Research**

ANTH398R *(PermReq)* **Independent Study: Proseminar-Capstone Research; (1-3 credits)** Grade Method: REG/P-F/AUD.

0101	William Stuart Contact instructor or department for details.	Seats (Total: 20)
0102	Fatimah Jackson Contact instructor or department for details.	Seats (Total: 20)

ANTH398T **Independent Study; Proseminar-Capstone Thesis**

ANTH398T *(PermReq)* **Independent Study: Proseminar-Capstone Thesis; (1-3 credits)** Grade Method: REG/P-F/AUD.

0101	William Stuart Contact instructor or department for details.	Seats (Total: 20)
0102	Fatimah Jackson Contact instructor or department for details.	Seats (Total: 20)

ANTH423 **Human Biodiversity**

ANTH423 Human Biodiversity; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisites: ANTH 220 and ANTH 320 or permission of department. Also offered as ANTH623. Not open to students who have completed ANTH428X or ANTH623. Credit will be granted for only one of the following: ANTH423 or ANTH623. Formerly ANTH428X. This course will discuss modern human origins and contemporary human variability, the nature and levels of human diversity; how natural selection modulates human differences and similarities; early studies of human variation and the concept of human biological race. The course emphasizes the genetic and non-genetic bases of human behavioral variation; the role of gender and human biodiversity; nDNA variation, ethnicity, and disease causation; morphometric and biochemical variation; and the re-conceptualization of human biodiversity.

0101	Fatimah Jackson	Seats (Total: 18)
	TuTh 11:00am - 12:15pm	PLS 1164

ANTH428L **Special Topics in Bioanthropology; Human Adaptation**

ANTH428L Special Topics in Bioanthropology: Human Adaptation; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as ANTH689L. Click here for description.

0101	Teresa Leslie	Seats (Total: 30)
	TuTh 2:00pm - 3:15pm	JMP 1109

ANTH448P **Special Topics in Archaeology; Anthropological Theories of the Past**

ANTH448P Special Topics in Archaeology: Anthropological Theories of the Past; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as ANTH 740. Prerequisite: ANTH240. Click here for description.

0101	Mark Leone	Seats (Total: 11)
	Tu 2:00pm - 4:40pm	WDS 1127

ANTH454 **Anthropology of Travel and Tourism**

ANTH454 Anthropology of Travel and Tourism; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as ANTH654. Credit will be granted for only one of the following: ANTH454 or ANTH654. Review of recent anthropological contributions to the study of travel and tourism development. Topics include the history of travel, political economy of tourism, gender in tourism, the built environment, ecotourism, and heritage tourism.

0101	Erve Chambers	Seats (Total: 20)
	TuTh 9:30am - 10:45am	WDS 1114

ANTH468B **Special Topics in Cultural Anthropology; Applied Urban Ethnography: Principles and Tools in Community Assessment Research**

ANTH468B Special Topics in Cultural Anthropology: Applied Urban Ethnography: Principles and Tools in Community Assessment Research; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as ANTH 688B. Click here for description.

0101	Tony Whitehead	Seats (Total: 20)
	W 6:00pm - 8:40pm	WDS 1114

ANTH468D **Special Topics in Cultural Anthropology; The Amazon through Film**

ANTH468D Special Topics in Cultural Anthropology: The Amazon through Film; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as LASC458A Click here for description.

0101	Janet Chernela	Seats (Total: 30)
	Th 4:00pm - 6:30pm	WDS 1114

ANTH468E **Special Topics in Cultural Anthropology; Behavioral Ecology & Anthropological Economics**

ANTH468E Special Topics in Cultural Anthropology: Behavioral Ecology & Anthropological Economics; (3 credits) Grade Method: REG/P-F/AUD.
Click here for description.

0101	William Stuart	Seats (Total: 25)
	M 2:00pm - 4:30pm	WDS 0104

ANTH468F **Special Topics in Cultural Anthropology; Introduction to Native American Cultures of the United States**

ANTH468F Special Topics in Cultural Anthropology: Introduction to Native American Cultures of the United States; (3 credits) Grade Method: REG/P-F/AUD.
Click here for description.

0101	L Gordon	Seats (Total: 35)
	M 4:00pm - 6:40pm	PLS 1113

ANTH468I **Special Topics in Cultural Anthropology; Language as Practice**

ANTH468I Special Topics in Cultural Anthropology: Language as Practice; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as ANTH688I. Click here for description.

0101	Carrie Clarady	Seats (Total: 30)
	TuTh 2:00pm - 3:15pm	WDS 1130

ANTH468J **Special Topics in Cultural Anthropology; Human Rights & Anthropology**

ANTH468J Special Topics in Cultural Anthropology: Human Rights & Anthropology; (3 credits) Grade Method: REG/P-F/AUD.
Click here for description.

0101	Megan Plyler	Seats (Total: 30)
	TuTh 2:00pm - 3:15pm	WDS 0104

ANTH468M **Special Topics in Cultural Anthropology; Performing the Nation**

ANTH468M Special Topics in Cultural Anthropology: Performing the Nation; (3 credits) Grade Method: REG/P-F/AUD.
Click here for description.

0101	Laurie Frederik Meer	Seats (Total: 10)
	TuTh 2:00pm - 3:15pm	PAC 1815

ANTH468N **Special Topics in Cultural Anthropology; Anthropology of the African-American Family**

ANTH468N Special Topics in Cultural Anthropology: Anthropology of the African-American Family; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as ANTH615. Click here for description.

0101	Teresa Leslie	Seats (Total: 20)
	Tu 4:00pm - 6:40pm	WDS 1114

ANTH468R **Special Topics in Cultural Anthropology; Identity Discourse and Ethnography in Latin American Indigenous Community**

ANTH468R Special Topics in Cultural Anthropology: Identity Discourse and Ethnography in Latin American Indigenous Community; (3 credits) Grade Method: REG/P-F/AUD.
Click here for description.

0101	Jacqueline Messing	Seats (Total: 20)
	Tu 2:00pm - 4:30pm	JMZ 2117

ANTH476 **Senior Research**

ANTH476 *(PermReq)* **Senior Research; (3-4 credits)** Grade Method: REG/P-F/AUD.
Individual Instruction course: contact department or instructor to obtain section number.
For ANTH majors only. Credit will be granted for only one of the following: ANTH476 or ANTH486. Capstone course in which students pursue independent research into a current problem in anthropology, selected with assistance of a committee of faculty. Research leads to the writing of a senior thesis in anthropology.

Contact department for information to register for this course.

ANTH477 **Senior Thesis**

ANTH477 *(PermReq)* **Senior Thesis; (3-4 credits)** Grade Method: REG/P-F/AUD.
Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: ANTH476; permission of department. For ANTH majors only. Credit will be granted for only one of the following: ANTH477 or ANTH487. Capstone course in which students write a senior thesis on independent research into a current problem in anthropology. The thesis is defined before a committee of faculty.

Contact department for information to register for this course.

ANTH486 **Honors Research**

ANTH486 *(PermReq)* **Honors Research; (3-4 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisites: permission of department; admission to University Honors Program or Anthropology Honors Program. For ANTH majors only. Credit will be granted for only one of the following: ANTH486 or ANTH476. Capstone course in which students pursue independent research into a current problem in anthropology, selected with assistance of a committee of faculty. Research leads to the writing of an honors thesis in anthropology.

Contact department for information to register for this course.

ANTH487 **Honors Thesis**

ANTH487 *(PermReq)* **Honors Thesis; (3-4 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisites: ANTH486; permission of department; admission to University Honors Program or Anthropology Honors Program. For ANTH majors only. Credit will be granted for only one of the following: ANTH487 or ANTH477. Capstone course in which students write a thesis on the results of independent research into a current problem in anthropology.

Contact department for information to register for this course.

ANTH615 **The Anthropology of the African American Family**

ANTH615 The Anthropology of the African American Family; (3 credits) Grade Method: REG/AUD.
Credit will be granted for only one of the following: ANTH468N, ANTH618, or ANTH688N. Suveys the African American family from a historical and ecological perspective, exploring adaptive responses through high stress periods. A key question underlying the explorations in this seminar is whether there are lessons from earlier African American organiztional structures (family, church, and community) that might be applicable to black families overcoming more recent periods of high environmental stress, or does such a concept even have relevance in today's multicultural world? Also offered as ANTH468N.

0101	Teresa Leslie	Seats (Total: 10)
	Tu 4:00pm - 6:40pm	WDS 1114

ANTH617 **Applied Urban Ethnography: Community Assessment Research**

ANTH617 Applied Urban Ethnography: Community Assessment Research; (3 credits) Grade Method: REG/AUD.
Credit will be granted for only one of the following: ANTH468B, ANTH617, or ANTH688B. Explores the use of ethnographic research methods in carrying out community assessment research to inform the design, implementation, and evaluation of culturally and community appropriate community-based initiatives. This course usually has a fieldwork component in a local urban neighborhood.

0101	Tony Whitehead W 6:00pm - 8:40pm	Seats (Total: 10) WDS 1114

ANTH625 **Advanced Studies in Theory and Practice of Applied Biological Anthropology**

ANTH625 Advanced Studies in Theory and Practice of Applied Biological Anthropology; (3 credits) Grade Method: REG/AUD.
Also offered as ANTH 425. Credit will be granted for only one of the following: ANTH 625 or ANTH 425. An introduction to the major theoretical and methodological underpinnings of applied biological anthropology within such areas as anthropological genetics, applied anthropometry, forensic anthropology, museum studies, and zoologicial parks. Emphasis is on the evaluation of the contributions of applied bioanthropological studies to particular problems in human health, environment, and heritage.

0101	Fatimah Jackson F 2:30pm - 5:00pm	Seats (Total: 20) PLS 1115

ANTH630 **Quantification and Statistics in Applied Anthropology**

ANTH630 Quantification and Statistics in Applied Anthropology; (3 credits) Grade Method: REG/AUD.
An intensive overview of key quantitative and statistical approaches used by social scientists in applied ad policy research. This includes nonparametric and parametric statistical approaches. Students utilize statistical software and analyze existing and student-created databases. Anthropological case studies are emphasized.

0101	Michael Paolisso Th 6:00pm - 8:40pm	Seats (Total: 20) WDS 1127

ANTH654 **Travel and Tourism**

ANTH654 Travel and Tourism; (3 credits) Grade Method: REG/AUD.
Also offered as ANTH454. Not open to students who have completed ANTH688U. Credit will be granted for only one of the following: ANTH454 or ANTH654. Formerly ANTH688U. Review of recent anthropological contributions to the study to tourism and tourism development. Topics include the political economy of tourism, gender in tourism, the built environment, ecotourism, and sustainable tourism development.

0101	Erve Chambers TuTh 9:30am - 10:45am	Seats (Total: 10) WDS 1114

ANTH688A **Current Developments in Anthropology; Field Methods in Ethnomusicology II**

ANTH688A *(PermReq)* **Current Developments in Anthropology: Field Methods in Ethnomusicology II; (3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ANTH688D **Current Developments in Anthropology; Field Methods in Ethnomusicology II**

ANTH688D Current Developments in Anthropology: Field Methods in Ethnomusicology II; (3 credits) Grade Method: REG.
Also offered as MUET661.

0101	Eliot Bates W 3:30pm - 6:00pm	Seats (Total: 12) PAC 3112

ANTH688E **Current Developments in Anthropology; Behavioral Ecology & Anthropological Economics**

ANTH688E Current Developments in Anthropology: Behavioral Ecology & Anthropological Economics; (3 credits) Grade Method: REG/AUD.

0101	William Stuart M 2:00pm - 4:30pm	Seats (Total: 5) WDS 0104

ANTH688I **Current Developments in Anthropology; Language as Practice**

ANTH688I Current Developments in Anthropology: Language as Practice; (3 credits) Grade Method: REG/AUD.
Also offered as ANTH468I. Click here for more information.

0101	Carrie Clarady	Seats (Total: 5)
	TuTh 2:00pm - 3:15pm	WDS 1130

ANTH688M **Current Developments in Anthropology; Identity Discourse and Ethnography in Latin American Indige ous Community**

ANTH688M Current Developments in Anthropology: Identity Discourse and Ethnography in Latin American Indige ous Community; (3 credits) Grade Method: REG/AUD.

0101	Jacqueline Messing	Seats (Total: 5)
	Tu 2:00pm - 4:30pm	JMZ 2117

ANTH688T **Current Developments in Anthropology; Method and Theory in Sociocultural Anthropology**

ANTH688T Current Developments in Anthropology: Method and Theory in Sociocultural Anthropology; (3 credits) Grade Method: REG/AUD.
Prerequisite: graduate status in Historical or Social/Behavioral Sciences.

0101	William Stuart	Seats (Total: 4)
	TuTh 11:00am - 12:15pm	WDS 1114

ANTH689A **Special Problems in Anthropology**

ANTH689A *(PermReq)* **Special Problems in Anthropology; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ANTH689J **Special Problems in Anthropology; Human Rights and Anthropology.**

ANTH689J Special Problems in Anthropology: Human Rights and Anthropology.; (3 credits) Grade Method: REG/S-F.

0101	Megan Plyler	Seats (Total: 5)
	TuTh 2:00pm - 3:15pm	WDS 0104

ANTH689L **Special Problems in Anthropology; Human Adaptation**

ANTH689L Special Problems in Anthropology: Human Adaptation; (3 credits)
Grade Method: REG/S-F.
Also offered as ANTH428L.

0101	Teresa Leslie	Seats (Total: 5)
	TuTh 2:00pm - 3:15pm	JMP 1109

ANTH689R **Special Problems in Anthropology; Method and Theory in Archaeology**

ANTH689R Special Problems in Anthropology: Method and Theory in Archaeology; (3 credits) Grade Method: REG/S-F.

0101	David Gadsby	Seats (Total: 7)
	M 2:00pm - 4:40pm	WDS 1114

ANTH689X **Special Problems in Anthropology; Human Biodiversity**

ANTH689X Special Problems in Anthropology: Human Biodiversity; (3 credits)
Grade Method: REG/S-F.

0101	Fatimah Jackson	Seats (Total: 5)
	TuTh 11:00am - 12:15pm	PLS 1164

ANTH701 **Anthropology Internship Preparation**

ANTH701 Anthropology Internship Preparation; (3 credits) Grade Method: REG/AUD.
Preparation for internship includes practicum training in development, presentation and evaluation of position papers, proposals and work plans; literature search and use of secondary data sources in decision making the effect cultural analysis and resource management; ethics and professional development for work in non-academic settings.
Prerequiste: ANTH240

0101	Mary Butler	Seats (Total: 25)
	M 6:00pm - 8:40pm	WDS 1114

ANTH712 **Anthropology Internship Analysis**

ANTH712 *(PermReq)* **Anthropology Internship Analysis; (3 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: ANTH789. The preparation and presentation of internship results, and the development of skills in report writing and presentation. Includes the completion of a professional quality report or publishable paper based on the internship experience.

Contact department for information to register for this course.

ANTH740 **Theories of the Past and Accomplishments of Archaeology**

ANTH740 Theories of the Past and Accomplishments of Archaeology; (3 credits) Grade Method: REG/AUD.
Credit will be granted for only one of the following: ANTH689P or ANTH740. Formerly ANTH689P. The primary purpose is to highlight some of the key achievements made by archaeologists in informing questions of interest to society from 1850 on. Key achievements include how archaeologists understand elements of the past thought to be central to the development of modern socieity. A secondary purpose is to introduce students to the theories used to understand the place of the past in society and the function of answers to questions thought central to modern social life. Also offered as ANTH448P.

0101	Mark Leone	Seats (Total: 9)
	Tu 2:00pm - 4:40pm	WDS 1127

ANTH770 **Intellectual History of Anthropology**

ANTH770 Intellectual History of Anthropology; (3 credits) Grade Method: REG/AUD.
Major intellectual currents in anthropological theory from the nineteenth century to the present are considered with emphasis placed on application of theory and theory of application. The disciplinary subfields are traced while stressing their mutual interdependence as well as the major developments of each subfield. Additional material proceeds from the 19th century contributors (including Tyler, Durkheim, and Boas), exploring the cumulative nature of anthropological theory, through the 20th centuries and into the present (finding commonalities, threads, and innovations in the exercise).

0101	Janet Chernela	Seats (Total: 20)
	Tu 6:00pm - 8:40pm	WDS 1127

ANTH788 **Internship Research**

ANTH788 *(PermReq)* **Internship Research; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ANTH789 **Internship**

ANTH789 *(PermReq)* **Internship; (3-6 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ANTH898 **Pre-Candidacy Research**

ANTH898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG/S-F.

1002	Erve Chambers Contact instructor or department for details.	Seats (Total: 10)
1003	William Stuart Contact instructor or department for details.	Seats (Total: 10)
1004	Tony Whitehead Contact instructor or department for details.	Seats (Total: 10)
1005	Judith Freidenberg Contact instructor or department for details.	Seats (Total: 10)
1006	Janet Chernela Contact instructor or department for details.	Seats (Total: 10)
1007	Michael Paolisso Contact instructor or department for details.	Seats (Total: 10)
2001	Fatimah Jackson Contact instructor or department for details.	Seats (Total: 10)
2002	Teresa Leslie Contact instructor or department for details.	Seats (Total: 10)
3001	Mark Leone Contact instructor or department for details.	Seats (Total: 10)

3002	Paul Shackel Contact instructor or department for details.	Seats (Total: 10)
3003	Stephen Brighton Contact instructor or department for details.	Seats (Total: 10)

ANTH899 **Doctoral Dissertation Research**

ANTH899 Doctoral Dissertation Research; (6 credits) Grade Method: REG/S-F.

1002	Erve Chambers Contact instructor or department for details.	Seats (Total: 10)
1003	William Stuart Contact instructor or department for details.	Seats (Total: 10)
1004	Tony Whitehead Contact instructor or department for details.	Seats (Total: 10)
1005	Judith Freidenberg Contact instructor or department for details.	Seats (Total: 10)
1006	Janet Chernela Contact instructor or department for details.	Seats (Total: 10)
1007	Michael Paolisso Contact instructor or department for details.	Seats (Total: 10)
2001	Fatimah Jackson Contact instructor or department for details.	Seats (Total: 10)
2002	Teresa Leslie Contact instructor or department for details.	Seats (Total: 10)
3001	Mark Leone Contact instructor or department for details.	Seats (Total: 10)
3002	Paul Shackel Contact instructor or department for details.	Seats (Total: 10)
3003	Stephen Brighton Contact instructor or department for details.	Seats (Total: 10)

AOSC Atmospheric and Oceanic Science Spring 2009

AOSC123 **Causes and Implications of Global Change**

AOSC123 Causes and Implications of Global Change; (3 credits) Grade Method: REG/P-F/AUD. CORE Physical Science (PS) Course.
Also offered as GEOG123, and GEOL123. Credit will be granted for only one of the following: AOSC123, GEOG123, GEOL123, or METO123. Formerly METO123. This course offers a unique experience in integrating physical, chemical, geological and biological sciences with geographical, economic, sociological and political knowledge skills toward a better understanding of global change. Review of environmental science relating to weather and climate change, acid precipitation, ozone holes, global warming and impacts on biology, agriculture and human behavior. Study of the natural, long-term variability of the global environment, and what influence mankind may have in perturbing it from its natural evolution. Concepts of how physical, biological and human behavioral systems interact, and the repercussions which may follow from human endeavors. The manner in which to approach decision and policy making related to issues of global change.

0101	Thomas Holtz, Eric Kasischke, Rachel Pinker MW 12:00pm - 12:50pm F 9:00am - 9:50am	Seats (Total: 24) LEF 2205 WDS 1130	Discussion
0102	Rachel Pinker, Eric Kasischke, Thomas Holtz MW 12:00pm - 12:50pm F 11:00am - 11:50am	Seats (Total: 24) LEF 2205 LEF 1222	Discussion
0103	Eric Kasischke, Thomas Holtz, Rachel Pinker MW 12:00pm - 12:50pm F 12:00pm - 12:50pm	Seats (Total: 24) LEF 2205 LEF 1222	Discussion
0104	Eric Kasischke, Thomas Holtz, Rachel Pinker MW 12:00pm - 12:50pm Th 9:30am - 10:20am	Seats (Total: 24) LEF 2205 JMZ 0125	Discussion

0105	Rachel Pinker, Eric Kasischke, Thomas Holtz MW 12:00pm - 12:50pm Th 11:00am - 11:50am	Seats (Total: 24) LEF 2205 JMZ 1224	Discussion
0106	Thomas Holtz, Eric Kasischke, Rachel Pinker MW 12:00pm - 12:50pm F 9:00am - 9:50am	Seats (Total: 24) LEF 2205 LEF 1221	Discussion
0107	Rachel Pinker, Eric Kasischke, Thomas Holtz MW 12:00pm - 12:50pm Th 9:30am - 10:20am	Seats (Total: 24) LEF 2205 LEF 1201	Discussion
0108	Eric Kasischke, Rachel Pinker, Thomas Holtz MW 12:00pm - 12:50pm F 12:00pm - 12:50pm	Seats (Total: 24) LEF 2205 LEF 2166	Discussion
0109	Thomas Holtz, Rachel Pinker, Eric Kasischke MW 12:00pm - 12:50pm Th 11:00am - 11:50am	Seats (Total: 24) LEF 2205 TYD 0101	Discussion
0110	Eric Kasischke, Thomas Holtz, Rachel Pinker MW 12:00pm - 12:50pm W 1:00pm - 1:50pm	Seats (Total: 24) LEF 2205 TYD 2110	Discussion

AOSC200 **Weather and Climate**

AOSC200 Weather and Climate; (3 credits) Grade Method: REG/P-F/AUD. CORE Physical Science (PS) Course.
CORE Physical Science Lab (PL) course only when taken concurrently with AOSC201. Prerequisites: MATH110 or MATH115. Recommended as a corequisite: AOSC201/METO201. Formerly METO200. Broad survey of the state of knowledge and problems of atmospheric science. Origin and structure of the atmosphere, meteorological observations, weather maps, forecasting, satellites, energetics, wind, general circulation, storms, severe weather, climate change, air pollution. CORE Physical Science Lab (PL) course only when taken concurrently with AOSC 201.
A Marquee Science and Technology Course designed for Non-Science Majors: http://www.marqueecourses.umd.edu/* Click here for more Marquee course information.

0101	Robert Hudson TuTh 12:30pm - 1:45pm W 2:00pm - 2:50pm	Seats (Total: 30) CSS 2324 CSS 2428	 Discussion
0102	Robert Hudson TuTh 12:30pm - 1:45pm W 3:00pm - 3:50pm	Seats (Total: 30) CSS 2324 CSS 2428	 Discussion
0103	Robert Hudson TuTh 12:30pm - 1:45pm W 3:00pm - 3:50pm	Seats (Total: 30) CSS 2324 CSS 1113	 Discussion
0201	Robert Hudson TuTh 2:00pm - 3:15pm W 2:00pm - 2:50pm	Seats (Total: 30) CSS 2324 MTH 0306	 Discussion
0202	Robert Hudson TuTh 2:00pm - 3:15pm W 3:00pm - 3:50pm	Seats (Total: 30) CSS 2324 MTH 0409	 Discussion
0203	Robert Hudson TuTh 2:00pm - 3:15pm W 2:00pm - 2:50pm	Seats (Total: 30) CSS 2324 CSS 1113	 Discussion

AOSC201 Weather and Climate Laboratory

AOSC201 Weather and Climate Laboratory; (1 credit) Grade Method: REG/P-F/AUD. CORE Physical Science Lab (PL) Course.
CORE Physical Science Lab (PL) course only when taken concurrently with AOSC200. Corequisite: AOSC200/METO200. Formerly METO201. Laboratory exercises to supplement AOSC200, including weather observations, weather map analysis, use of the Internet, forecasting practice and climate modeling. CORE Physical Science Lab (PL) course only when taken concurrently with AOSC 200.

0101	Sandra Martinka Preaux Tu 2:30pm - 4:30pm	Seats (Total: 18) CSS 3426	Lab
0102	Martina Ricko W 8:00am - 10:00am	Seats (Total: 18) CSS 3426	Lab
0103	Yan Zhou F 8:00am - 10:00am	Seats (Total: 18) CSS 3426	Lab

AOSC401 **Global Environment**

AOSC401 Global Environment; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: AOSC400/METO400. Formerly METO401. The global weather and climate system; the natural variability of the atmosphere-ocean-biosphere. Potential human effects: greenhouse effects, deforestation, acid rain, ozone depletion, nuclear winter. Social, political and economic effects of changes in global environment. Policy options.

0101	Zhanqing Li F 10:00am - 12:45pm	Seats (Total: 25) CSS 1113	

AOSC432 **Meteorology for Scientists and Engineers II**

AOSC432 Meteorology for Scientists and Engineers II; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: AOSC431/METO431. Corequisite: MATH246. 3 semester hours. Credit will be granted for only one of the following: AOSC432 or METO432. Formerly METO432. The physics of the atmospheric motions that control mid-latitude weather; physics of hurricanes; mathematics of climate change.

0101	Daniel Kirk-Davidoff TuTh 9:30am - 10:45am	Seats (Total: 20) CSS 2416	

AOSC434 **Air Pollution**

AOSC434 Air Pollution; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisites: {CHEM113 and MATH241} or permission of department. Formerly METO434.* Production, transformation, transport and removal of air pollutants. The problems of photochemical smog, the greenhouse effect, stratospheric ozone, acid rain and visibility. Analytical techniques for gases and particles. Credit will be granted for only one of the following: AOSC434 or CHEM434. Prerequisities: MATH241 and either CHEM271 or CHEM276, or permission of the instructor. Atmospheric chemistry as it relates to air quality, ozone depletion, and climate change. Fundamentals of atmospheric chemistry (spectroscopy, kinetics,isotopic analysis) and the modern understanding of these issues based on satellite observations, field campaigns, and scientific assessments.

0101	Timothy Canty, Ross Salawitch	Seats (Total: 32)
	TuTh 2:00pm - 3:15pm	CSS 2416

AOSC499 **Special Problems in Atmospheric Science**

AOSC499 Special Problems in Atmospheric Science; (1-3 credits) Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

AOSC602 **Mesoscale Meteorology**

AOSC602 Mesoscale Meteorology; (3 credits) Grade Method: REG/AUD. *Prerequisites: METO 600 or METO 611.* Mesoscale approximations, cyclones and fronts, quasi- versus semi-geostrophic theory, piece-wise PV inversion, waves and instability, isolated convection, organized convective systems, numericalmodeling and convective parameterization.

0101	Da-Lin Zhang	Seats (Total: 25)
	TuTh 12:30pm - 1:45pm	CSS 2416

AOSC611 **Dynamics of the Atmosphere and Oceans II**

AOSC611 Dynamics of the Atmosphere and Oceans II; (3 credits) Grade Method: REG/AUD.
Prerequisite: METO 610. Formerly METO611. Waves and instabilities in the atmosphere and the ocean. Gravity, Rossby, coastal and equatorial waves. Flow over topography. Dynamic instabilities including barotropic, baroclinic, inertial, and instabilities of the coupled ocean-atmosphere system. Stationary waves and multiple equilibria.

0101	Da-Lin Zhang	Seats (Total: 25)
	MWF 11:00am - 11:50am	CSS 2416

AOSC615 **Advanced Methods in Data Assimilation for the Earth Sciences**

AOSC615 Advanced Methods in Data Assimilation for the Earth Sciences; (3 credits) Grade Method: REG/AUD.
Prerequisite: METO 614 or permission of instructor. An overview of the most important methods of data assimilation. Theory, techniques and strategies of these methods, as well as their possible drawbacks. Hands-on experimentation with variational and other data assimilation systems.

0101	Kayo Ide	Seats (Total: 20)
	TuTh 12:30pm - 1:45pm	CSS 1113

AOSC617 **Atmospheric and Oceanic Climate**

AOSC617 Atmospheric and Oceanic Climate; (3 credits) Grade Method: REG/AUD.
Prerequisite: METO 610 or approval of instructor. Formerly METO617. The general circulation of the atmosphere and oceans, historical perspective, observations, and conceptual models; wind-driven and thermohaline circulation of the oceans. Seasonal cycle and monsoon circulations; interannual to interdecadal climate variability; climate change.

0101	Sumant Nigam	Seats (Total: 25)
	MW 9:30am - 10:45am	CSS 3425

AOSC621 **Physics and Chemistry of the Atmosphere II**

AOSC621 Physics and Chemistry of the Atmosphere II; (3 credits) Grade Method: REG/AUD.
Prerequisites: MATH 462 or equivalent PDE (partial differential equations) course; and METO 620. Formerly METO621. Spectroscopy; basic concepts in radiative transfer and atmospheric chemistry; photolysis rates for atmospheric molecules.

0101	Robert Hudson	Seats (Total: 40)
	TuTh 8:00am - 9:15am	CSS 2428

AOSC630 **Statistical Methods in Meteorology and Oceanography**

AOSC630 Statistical Methods in Meteorology and Oceanography; (3 credits) Grade Method: REG/AUD.
Prerequisite: STAT 400 or equivalent introductory statistics course. Formerly METO630. Parametric and non-parametric tests; time series analysis and filtering; wavelets. Multiple regression and screening; neural networks. Empirical orthogonal functions and teleconnections. Statistical weather and climate prediction, including MOS, constructed analogs. Ensemble forecasting and verification.

0101	Eugenia Kalnay	Seats (Total: 20)
	W 11:30am - 2:00pm	CSS 2428

AOSC637 **Atmospheric Chemistry**

AOSC637 Atmospheric Chemistry; (3 credits) Grade Method: REG/AUD.
Prerequisites: CHEM 481 or METO 620. Also offered as CHEM 637. Formerly METO637. Application of the techniques of thermodynamics, kinetics, spectroscopy and photochemistry to atmospheric gases and particles. Investigation of the global cycles of C, H, O, N, and S species; the use of laboratory and field measurements in computer models of the atmosphere.

0101	Russell Dickerson	Seats (Total: 20)
	TuTh 2:00pm - 3:15pm	Location: TBA

AOSC658R **Special Topics in Meteorology; Air Pollution**

AOSC658R Special Topics in Meteorology: Air Pollution; (3 credits) Grade Method: REG/AUD.

0101	Ross Salawitch, Timothy Canty	Seats (Total: 32)
	TuTh 2:00pm - 3:15pm	CSS 2416

AOSC798 **Directed Graduate Research**

AOSC798 Directed Graduate Research; (1-3 credits) Grade Method: S-F. Individual Instruction course: contact department or instructor to obtain section number. Course intended for those students not yet admitted to PhD candidacy to work on research with a professor.

Contact department for information to register for this course.

AOSC811 **Seminar in Atmospheric, Oceanic and Climate Sciences**

AOSC811 Seminar in Atmospheric, Oceanic and Climate Sciences; (1 credit) Grade Method: REG/AUD.
A department seminar series that covers a broad range of topics in the contemporary sciences of atmosphere, ocean and climate.

0101	Ning Zeng	Seats (Total: 40)
	Th 3:30pm - 4:30pm	CSS 2400

AOSC898 **Pre-Candidacy Research**

AOSC898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

AOSC899 **Doctoral Dissertation Research**

AOSC899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ARAB Arabic Spring 2009

ARAB105 **Elementary Modern Standard Arabic III-IV**

ARAB105 Elementary Modern Standard Arabic III-IV; (6 credits) Grade Method: REG/P-F/AUD.

Not open to fluent/native speakers of Arabic. Prerequisite: ARAB104. Continuation of ARAB104, developing further linguistic proficiency in Standard Arabic, both written and formal spoken. Covers an extended range of situation-based texts and topics that build vocabulary, grammar, general communicative competence and cultural awareness.

0101	Bouchra Araji MWF 10:00am - 11:50am	Seats (Total: 15) JMZ 1224
0201	Meryem Cherrouk MWF 12:00pm - 1:50pm	Seats (Total: 15) JMZ 1226
0301	Dina El-Hefnawy MWF 12:00pm - 1:50pm	Seats (Total: 15) JMZ 1224
0401	Maisoon Shahin MWF 10:00am - 11:50am	Seats (Total: 15) JMZ 1215
0501	Maisoon Shahin MWF 12:00pm - 1:50pm	Seats (Total: 15) JMZ 2125

ARAB107 **Elementary Egyptian Colloquial Arabic II**

ARAB107 Elementary Egyptian Colloquial Arabic II; (3 credits) Grade Method: REG/P-F/AUD.

Not open to fluent/native speakers of Arabic. Prerequisite: ARAB106. Continuation of ARAB106, covering a wider range of basic vocabulary, grammar forms, communicative and cultural situations using the widely spread spoken variety of Egyptian Arabic. Emphasis on developing learners' listening and speaking skills in Egyptian Arabic, since colloquial dialects in the Arab world are mainly used in speech.

0101	Dina El-Hefnawy TuTh 9:30am - 10:45am	Seats (Total: 15) JMZ 1224
FLP1	Inas Hassan TuTh 9:30am - 10:45am	Seats (Total: 15) JMZ 3118
	Restricted to students in SLLC's Arabic Flagship Program. Prerequisite: permission of department.	

FLP2	Abdulmonam Alikaj TuTh 11:00am - 12:15pm	Seats (Total: 15) JMZ 2120
	Restricted to students in SLLC's Arabic Flagship Program. Prerequisite: permission of department.	

ARAB205 **Intermediate Modern Standard Arabic II**

ARAB205 Intermediate Modern Standard Arabic II; (6 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course.
Prerequisite: ARAB204. Continuation of ARAB204, with exposure to a wide range of Arabic texts from different domains. Focus on vocabulary, more complex grammatical forms, and a better understanding of the formal aspects of using MSA as well as the cultural aspects of using the language.

0101	Bouchra Araji MWF 12:00pm - 1:50pm	Seats (Total: 15) JMZ 1117
0201	Meryem Cherrouk MWF 10:00am - 11:50am	Seats (Total: 15) JMZ 2123
FLP1	Inas Hassan MWF 12:00pm - 1:50pm	Seats (Total: 15) JMZ 1123
	Restricted to students in SLLC's Arabic Flagship Program. Prerequisite: permission of department.	
FLP2	Abdulmonam Alikaj MWF 10:00am - 11:50am	Seats (Total: 15) JMZ 1123
	Restricted to students in SLLC's Arabic Flagship Program. Prerequisite: permission of department.	

ARAB207 **Elementary Egyptian Colloquial Arabic IV**

ARAB207 Elementary Egyptian Colloquial Arabic IV; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ARAB206 or equivalent. Further develops listening and speaking skills in Egyptian Colloquial Arabic, extending range of contexts where it merges with Modern Standard Arabic. Some reading in Arabic.

FLP1	Inas Hassan	Seats (Total: 15)
	TuTh 11:00am - 12:15pm	JMZ 3122
	Restricted to students in SLLC's Arabic Flagship Program. Prerequisite: permission of department.	

ARAB305 **Advanced Modern Standard Arabic II**

ARAB305 Advanced Modern Standard Arabic II; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ARAB304 or equivalent. Further advanced grammar, reading, writing, speaking in Arabic; study of current issues within the Arab World.

FLP1	Abdulmonam Alikaj	Seats (Total: 15)
	TuTh 2:00pm - 3:15pm	JMZ 1103
	Restricted to students in SLLC's Arabic Flagship Program. Prerequisite: permission of department.	

ARAB306 **Intermediate Egyptian Colloquial Arabic I**
Contact department for information to register for this course.

ARAB307 **Intermediate Egyptian Colloquial Arabic II**
Contact department for information to register for this course.

ARAB310 **Intermediate Levantine Arabic I**
Contact department for information to register for this course.

ARAB332 **Listening Strategies in Arabic III**
Contact department for information to register for this course.

ARAB604 **Arabic to English Interpreting**
Contact department for information to register for this course.

ARAB640 **Socio-political Issues in Contemporary Arab Societies**
Contact department for information to register for this course.

ARAB650 **The Arab World and Contemporary International Relations**
Contact department for information to register for this course.

ARAB788 **Internship in Arabic**
Contact department for information to register for this course.

ARAB789 **Independent Study in Arabic**
Contact department for information to register for this course.

ARCH Architecture Spring 2009

ARCH101 **Foundations in Architecture**

ARCH101 Foundations in Architecture; (1 credit) Grade Method: REG/P-F. *Prerequisite: UNIV100 or permission of department. Restricted to students with less than 60 credits. Freshman standing.* To pursue any field of knowledge one must first begin with the basics. By learning the "language" of architecture one can explore the foundations of the architectural profession through interactive and experiential learning.

0101	Ronit Eisenbach Tu 10:30am - 12:15pm	Seats (Total: 15) ARC 1125	
0201	Ronit Eisenbach Th 10:30am - 12:15pm	Seats (Total: 15) ARC 1125	
0301	Ronit Eisenbach Tu 4:00pm - 5:50pm	Seats (Total: 15) ARC 1125	
0401	Ronit Eisenbach F 10:00am - 11:50am	Seats (Total: 15) ARC 1121	

ARCH170 **Introduction to the Built Environment**

ARCH170 Introduction to the Built Environment; (3 credits) Grade Method: REG/P-F/AUD. CORE History or Theory of Arts (HA) Course.
Introduction of conceptual, perceptual, behavioral, and technical aspects of the built environment, and methods of analysis, problem- solving, and implementation.

0101	Ronit Eisenbach MW 10:00am - 10:50am F 10:00am - 10:50am	Seats (Total: 21) ARC 0204 ARC 1125	 Discussion

0102	Ronit Eisenbach MW 10:00am - 10:50am W 12:00pm - 12:50pm	Seats (Total: 21) ARC 0204 ARC 1105	Discussion
0103	Ronit Eisenbach MW 10:00am - 10:50am F 9:00am - 9:50am	Seats (Total: 21) ARC 0204 ARC 1101	Discussion
0104	Ronit Eisenbach MW 10:00am - 10:50am Th 2:00pm - 2:50pm	Seats (Total: 21) ARC 0204 ARC 1125	Discussion
0105	Ronit Eisenbach MW 10:00am - 10:50am W 12:00pm - 12:50pm	Seats (Total: 21) ARC 0204 ARC 1103	Discussion
0106	Ronit Eisenbach MW 10:00am - 10:50am F 9:00am - 9:50am	Seats (Total: 21) ARC 0204 ARC 1103	Discussion
0107	Ronit Eisenbach MW 10:00am - 10:50am Tu 2:00pm - 2:50pm	Seats (Total: 21) ARC 0204 ARC 1103	Discussion
0108	Ronit Eisenbach MW 10:00am - 10:50am F 9:00am - 9:50am	Seats (Total: 20) ARC 0204 ARC 1125	Discussion
0109	Ronit Eisenbach MW 10:00am - 10:50am W 1:00pm - 1:50pm	Seats (Total: 21) ARC 0204 ARC 1101	Discussion
0110	Ronit Eisenbach MW 10:00am - 10:50am Tu 12:30pm - 1:20pm	Seats (Total: 21) ARC 0204 ARC 1125	Discussion
0111	Ronit Eisenbach MW 10:00am - 10:50am F 10:00am - 10:50am	Seats (Total: 21) ARC 0204 ARC 1101	Discussion

0112	Ronit Eisenbach MW 10:00am - 10:50am W 1:00pm - 1:50pm	Seats (Total: 21) ARC 0204 ARC 1103	 Discussion
0113	Ronit Eisenbach MW 10:00am - 10:50am W 12:00pm - 12:50pm	Seats (Total: 21) ARC 0204 ARC 1125	 Discussion

ARCH224 **The Ancient Roman City: Pompeii and Beyond**

ARCH224 The Ancient Roman City: Pompeii and Beyond; (3 credits) Grade Method: REG/P-F/AUD. CORE History or Theory of Arts (HA) Course.
Not open to students who have completed HONR208S. Credit will be granted for only one of the following: ARCH224 or HONR208S. Study of daily life in the ancient Roman world seen through the architecture of Pompeii and neighboring cities.

0101	Robert Vann TuTh 12:30pm - 1:45pm	Seats (Total: 40) ARC 1105

ARCH226 **History of World Architecture II**

ARCH226 History of World Architecture II; (3 credits) Grade Method: REG/P-F/AUD.
Sophomore standing. Survey of architectural history from 1000 to 1800.

0101	Robert Vann TuTh 9:00am - 10:15am	Seats (Total: 150) ARC 0204

ARCH242 **Basic Architectural Drawing**

ARCH242 Basic Architectural Drawing; (3 credits) Grade Method: REG.
Prerequisite: ARCH170 or permission of department. Freshman standing. The study of drawing as a learned skill with emphasis on observation, documentation, analysis, and synthesis. This introductory course immerses students in the conventions of architectural drawing (orthographics, isometrics, axonometrics, and linear perspective) primarily through freehand drawing.

0101	Lester Escobal F 8:00am - 9:50am F 10:00am - 11:50am	Seats (Total: 14) ARC 0204 Location: TBA	 Lab

0102	Lester Escobal F 8:00am - 9:50am F 12:00pm - 1:50pm	Seats (Total: 14) ARC 0204 Location: TBA	Lab
0103	Lester Escobal F 8:00am - 9:50am M 9:00am - 10:50am	Seats (Total: 13) ARC 0204 Location: TBA	Lab
0104	Lester Escobal F 8:00am - 9:50am M 11:00am - 12:50pm	Seats (Total: 13) ARC 0204 Location: TBA	Lab
0105	Lester Escobal F 8:00am - 9:50am M 6:00pm - 7:50pm	Seats (Total: 13) ARC 0204 Location: TBA	Lab

ARCH386 **Experiential Learning**

ARCH386 *(PermReq)* **Experiential Learning; (3-6 credits)** Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: Learning Proposal approved by faculty sponsor, and student's internship sponsor. Junior standing.

Contact department for information to register for this course.

ARCH401 **Architecture Studio II**

ARCH401 *(PermReq)* **Architecture Studio II; (6 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: ARCH400 with a grade of C or better. For ARCH majors only.
Continuation of ARCH 400 with introduction to building typology, urban and contextual issues, design of the vertical surface, and architectural interiors. Restricted to ARCH majors.

0101	Michael Ambrose MWF 2:00pm - 6:00pm *For 3 1/2 year graduate students only.*	Seats (Total: 12) Location: TBA	Lab
0102	Karl Du Puy MWF 2:00pm - 6:00pm	Seats (Total: 54) Location: TBA	Lab

ARCH403 **Architecture Studio IV**

ARCH403 Architecture Studio IV; (6 credits) Grade Method: REG/P-F/AUD. *Prerequisite: ARCH402 with a grade of C or better. For ARCH majors only.* Investigations into the relationship between the man-made and the natural world including introductory issues of assembly and material value. Design of the site and the building are combined into an integral process delimiting and probing the boundaries of each and exploring their reciprocal relationship. The architect's obligations to the natural and urban contexts are explored in many dimensions including historical, typological, environmental, and physical. Restricted to ARCH majors.

0101	Julie Kim MWF 2:00pm - 6:00pm *For 3 1/2 year graduate students only.*	Seats (Total: 14) Location: TBA	Lab
0102	Thomas Schumacher, Brian Kelly MWF 2:00pm - 6:00pm	Seats (Total: 54) Location: TBA	Lab

ARCH411 **Technology II**

ARCH411 Technology II; (4 credits) Grade Method: REG/P-F/AUD. *Prerequisite: ARCH410. Corequisite: ARCH401. For ARCH majors only.* Second course in a four course sequence. Building construction processes and terminology; use and performance characteristics of primary building materials; principles of structural behavior related to the building systems; equilibrium and stability, stiffness and strength, types of stress, distribution of force and stress, resolution of forces, reactions, bending moments, shear, deflection, buckling. Restricted to ARCH majors.

0101	Deborah Oakley TuTh 10:30am - 12:15pm	Seats (Total: 70) ARC 0204	

ARCH413 **Architecture Technology IV**

ARCH413 Architecture Technology IV; (4 credits) Grade Method: REG/P-F/AUD. *Prerequisite: ARCH412. Corequisite: ARCH403. For ARCH majors only.* Final course in a four course sequence. Theory, quantification, and architectural design applications for HVAC, water systems, fire protection electrical systems, illumination, signal equipment, and transportation systems. Restricted to ARCH majors.

0101	Carl Bovill TuTh 2:00pm - 3:45pm	Seats (Total: 75) ARC 0204

ARCH418A **Selected Topics in Architectural Technology; Sustainable Urban Forms-Architecture that Works**

ARCH418A Selected Topics in Architectural Technology: Sustainable Urban Forms-Architecture that Works; (3 credits) Grade Method: REG/P-F/AUD.

0101	Michael Binder Th 7:00pm - 10:00pm	Seats (Total: 14) ARC 1123

ARCH419 **Independent Studies in Architectural Technology**

ARCH419 *(PermReq)* **Independent Studies in Architectural Technology; (1-4 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ARCH420 **History of American Architecture**

ARCH420 History of American Architecture; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ARCH221 or permission of department. American architecture from the late 17th to the 21st century.

0101	Isabelle Gournay TuTh 9:00am - 10:15am	Seats (Total: 30) ARC 1105

ARCH427 **Theories of Architecture**

ARCH427 Theories of Architecture; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ARCH426 or permission of department. For ARCH majors only. Selected historical and modern theories of architectural design. Restricted to ARCH, URPD or ARCP majors.

0101	Isabelle Gournay Th 2:00pm - 4:50pm *Section 0101 is for 3 1/2 year graduate students only.*	Seats (Total: 15) ARC 1105

ARCH429 **Independent Studies in Architectural History**

ARCH429 *(PermReq)* **Independent Studies in Architectural History; (1-4 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ARCH435 **History of Contemporary Architecture**

ARCH435 History of Contemporary Architecture; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ARCH221 or permission of department. Architectural history from World War II to the present.

0101	Thomas Schumacher, Brian Kelly	Seats (Total: 50)	
	M 10:00am - 11:50am	ARC 1105	
	W 11:00am - 11:50am	ARC 1105	

ARCH445 **Visual Analysis of Architecture**

ARCH445 *(PermReq)* **Visual Analysis of Architecture; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: ARCH400 or permission of department. For ARCH majors only. Study of visual principles of architectural and urban precedents through graphic analysis. Exercises include on-site observation, documentation and analysis. Focuses on the development of an architect's sketchbook as a tool for life-long learning. Restricted to ARCH majors.

0101	Wouter Boer	Seats (Total: 25)	
	M 10:00am - 10:50am	ARC 1101	
	W 10:00am - 11:50am	ARC 1101	Discussion

ARCH448E **Selected Topics in Visual Studies for Architects; Exploring Architecture thru Visual Media**

ARCH448E *(PermReq)* **Selected Topics in Visual Studies for Architects: Exploring Architecture thru Visual Media; (1-3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: permission of department.

0101	Courtney Miller	Seats (Total: 12)	
	Tu 12:00pm - 1:45pm	ARC 1123	
	Th 12:00pm - 1:45pm	ARC 1123	Lab

ARCH449 **Independent Studies in Visual Studies for Architects**

ARCH449 *(PermReq)* **Independent Studies in Visual Studies for Architects; (1-4 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Majors only.

Contact department for information to register for this course.

ARCH459 **Independent Studies in Urban Planning**

ARCH459 *(PermReq)* **Independent Studies in Urban Planning; (1-4 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ARCH461 **Sustainability in Architecture**

ARCH461 *(PermReq)* **Sustainability in Architecture; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: ARCH401 and ARCH410 or permission of department. Credit will be granted for only one of the following: ARCH418S or ARCH461. Formerly ARCH418S.
Strategies of sustainability as related to the broader context of architectural problem solving.

0101	Carl Bovill	Seats (Total: 25)
	TuTh 10:30am - 11:45am	ARC 1103

ARCH470 **Computer Applications in Architecture**

ARCH470 *(PermReq)* **Computer Applications in Architecture; (3 credits)** Grade Method: REG.
Prerequisite: ARCH400 or permission of department. For ARCH majors only.
Introduction to computer utilization, with emphasis on architectural applications. Restricted to ARCH majors.

0101	Mark Ramirez	Seats (Total: 17)	
	W 9:00am - 10:50am	Location: TBA	
	F 9:00am - 10:50am	Location: TBA	Lab

ARCH478C **Selected Topics in Architecture; Careers in Architecture**

ARCH478C *(PermReq)* **Selected Topics in Architecture: Careers in Architecture; (3 credits)** Grade Method: REG/P-F/AUD.
Restricted to ARCH majors.

0101	John Maudlin-Jeronimo	Seats (Total: 14)
	Tu 4:00pm - 6:30pm	ARC 1105

ARCH478I **Selected Topics in Architecture; Exploring the "I" in BIM**

ARCH478I *(PermReq)* **Selected Topics in Architecture: Exploring the "I" in BIM; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: ARCH412 or permission of instructor.

0101	Deborah Oakley	Seats (Total: 7)
	TuTh 4:00pm - 5:15pm	Location: TBA

ARCH479 **Independent Studies in Architecture**

ARCH479 *(PermReq)* **Independent Studies in Architecture; (1-4 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ARCH489 **Independent Studies in Architectural Preservation**

ARCH489 *(PermReq)* **Independent Studies in Architectural Preservation; (1-4 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ARCH601 **Topical Studio**

ARCH601 Topical Studio; (6 credits) Grade Method: REG/AUD.
Prerequisite: ARCH 600. For ARCH majors only. Topical architectural design studio with concentration on advanced theoretical, programmatic, contextual, and/or technical issues, with topical inquiry addressing but not limited to: architectural competitions, housing, sustainable design, collegiate architecture, regional architecture, classicism versus modernity. Restricted to ARCH, URPD or ARCP majors.

0101	Madlen Simon, Carl Bovill	Seats (Total: 27)	
	MWF 2:00pm - 6:00pm	Location: TBA	Lab

ARCH654 **Urban Development and Design Theory**

ARCH654 Urban Development and Design Theory; (3 credits) Grade Method: REG/AUD.
Prerequisite: ARCH401 or permission of department. Advanced investigation into the history, and practice of urban design, planning, and development.

0101	Karl Du Puy	Seats (Total: 40)
	TuTh 4:00pm - 6:00pm	ARC 1103

ARCH655 **Urban Design Seminar**

ARCH655 Urban Design Seminar; (3 credits) Grade Method: REG/AUD.
Prerequisite: ARCH654 or permission of department. Credit will be granted for only one of the following: ARCH451 or ARCH655. Formerly ARCH451. Advanced investigation into problems of analysis and evaluation of the design of urban areas, spaces, and complexes with emphasis on physical and social considerations; effects of public policies through case studies. Field observations.

0101	Matthew Bell	Seats (Total: 12)
	M 7:00pm - 10:00pm	ARC 1127

ARCH670 **Advance Comprehensive Computer Technology in Architecture**

ARCH670 *(PermReq)* **Advance Comprehensive Computer Technology in Architecture; (3 credits)** Grade Method: REG/AUD.
Prerequisite: ARCH 403 and ARCH 470 or equivalent. Credit will be granted for only one of the following: ARCH 678C or ARCH 670. Formerly ARCH678C.
Comprehensive use of computer technology in the design process. Use of digital versus analog modeling to study design alternatives. Methods of representation to best convey concepts and integration of technology. Restricted to ARCH, URPD or ARCP majors.

0101	Michael Ambrose	Seats (Total: 15)
	Tu 7:00pm - 10:00pm	ARC 1101

ARCH678 **Selected Topics in Architecture**

ARCH678 *(PermReq)* **Selected Topics in Architecture; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
ARCH majors only.

Contact department for information to register for this course.

ARCH678I **Selected Topics in Architecture; Exploring the "I" in BIM**

ARCH678I *(PermReq)* **Selected Topics in Architecture: Exploring the "I" in BIM; (3 credits)** Grade Method: REG/AUD.
Prerequisite: ARCH412 or permission of instructor. This course will meet in the School's computer lab, ARC-T.

0101	Deborah Oakley	Seats (Total: 5)
	TuTh 4:00pm - 5:15pm	Location: TBA

ARCH678L **Selected Topics in Architecture; Learning places**

ARCH678L Selected Topics in Architecture: Learning places; (1-3 credits) Grade Method: REG/AUD.

0101	Isaac Williams	Seats (Total: 12)
	Tu 7:00pm - 9:40pm	ARC 1127

ARCH678N **Selected Topics in Architecture; Seminar in Scandinavian Architecture**

ARCH678N *(PermReq)* **Selected Topics in Architecture: Seminar in Scandinavian Architecture; (3 credits)** Grade Method: REG/AUD.

0101	Peter Noonan Th 7:00pm - 10:00pm	Seats (Total: 14) ARC 1127

ARCH679 **Independent Studies in Architecture**

ARCH679 *(PermReq)* **Independent Studies in Architecture; (1-4 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
For ARCH majors only.

Contact department for information to register for this course.

ARCH797 **Thesis Proseminar**

ARCH797 Thesis Proseminar; (3 credits) Grade Method: REG/AUD.
Prerequisite: ARCH 601. Directed research and preparation of thesis program. Restricted to ARCH, or ARCP majors.

0101	Brooke Wortham-Galvin M 11:00am - 1:50pm	Seats (Total: 15) ARC 1127

ARCH798 **Thesis in Architecture**

ARCH798 *(PermReq)* **Thesis in Architecture; (3 credits)** Grade Method: REG. Restricted to ARCH, or ARCP majors. Prerequisite: ARCH 797

0101	Brian Kelly Tu 2:00pm - 6:00pm	Seats (Total: 15) ARC 1127

ARCH799 **Master's Thesis Research**

ARCH799 *(PermReq)* **Master's Thesis Research; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.
ARCH majors only. Prerequisite: ARCH 797

Contact department for information to register for this course.

AREC Agricultural and Resource Economics Spring 2009

AREC240 **Introduction to Economics and the Environment**

AREC240 Introduction to Economics and the Environment; (4 credits) Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course.
Costs and social impacts of pollution and human crowding in the modern environment. The economic, legal and institutional causes of these problems. Public policy approaches to solutions and the costs and benefits of alternative solutions.

0101	Carol McAusland TuTh 2:00pm - 3:15pm M 1:00pm - 1:50pm	Seats (Total: 35) PLS 1140 SYM 0215	 Discussion
0102	Carol McAusland TuTh 2:00pm - 3:15pm M 2:00pm - 2:50pm	Seats (Total: 35) PLS 1140 SYM 0215	 Discussion

AREC250 **Elements of Agricultural and Resource Economics**

AREC250 Elements of Agricultural and Resource Economics; (3 credits) Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course.
An introduction to economic principles of production, marketing, agricultural prices and incomes, farm labor, credit, agricultural policies, and government programs.

0101	Barrett Kirwan TuTh 9:30am - 10:45am	Seats (Total: 60) SYM 0200

AREC332 **Introduction to Natural Resource Policy**

AREC332 Introduction to Natural Resource Policy; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: AREC240. Credit will be granted for only one of the following: AREC432 or AREC332. Formerly AREC432. Development of natural resource policy and analysis of the evolution of public intervention in the use of natural resources. Examination of present policies and of conflicts between private individuals, public interest groups, and government agencies.

0101	Douglas Parker TuTh 11:00am - 12:15pm	Seats (Total: 35) SYM 0215

AREC365 **World Hunger, Population, and Food Supplies**

AREC365 World Hunger, Population, and Food Supplies; (3 credits) Grade Method: REG/P-F/AUD. CORE Diversity (D) Course.
An introduction to the problem of world hunger and possible solutions to it. World demand, supply, and distribution of food. Alternatives for leveling off world food demand, increasing the supply of food, and improving its distribution. Environmental limitations to increasing world food production.

0101	Howard Leathers	Seats (Total: 286)
	MWF 11:00am - 11:50am	PHY 1412

AREC382 **Computer-Based Analysis in Agricultural and Resource Economics**

AREC382 Computer-Based Analysis in Agricultural and Resource Economics; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisites: MATH111/STAT100 or equivalent; and ECON200/AREC240/AREC250 or equivalent. Credit will be granted for only one of the following: AREC182 or AREC382. Formerly AREC182. Analysis of economic data using computer spreadsheets. Exercises include analyses of forest land shares, farmer willingness to pay, farm production planning, fisheries management, corn prices, and index numbers. Analyses features use of cell formulas, spreadsheet functions, Excel's Data Analysis Tool and Solver. This is a lab course featuring experimental learning.

0101	Anna Alberini	Seats (Total: 30)
	MWF 1:00pm - 1:50pm	PLS 1129

AREC386 **Experiential Learning**

AREC386 *(PermReq)* **Experiential Learning; (3-6 credits)** Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: permission of department. Junior standing.

Contact department for information to register for this course.

AREC399 **Special Problems**

AREC399 Special Problems; (1-3 credits) Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

AREC404 **Applied Price Analysis**

AREC404 Applied Price Analysis; (3 credits) Grade Method: REG/P-F/AUD. *Restricted to Agricultural & Resource Economics majors (0111C &0111O), Environmental Science and Policy Environmental Economics concentration majors (2299D), and those minoring in Agribusiness Economics (#AG01), Environmental Economics and Policy (#AG02), or Resource and Agricultural Policy in Economic Development (#AG03) Other students will be taken off the hold file on the first day of class as space allows. Prerequisite: ECON306, ECON326 or equivalent.* An introduction to the economic analysis of price behavior, with applications to agricultural commodities. The use of price information in the decision-making process, the relation and supply and demand in determining price, and the relation of prices to grade, time, location, and stages of processing in the marketing system.

0101	Ramon Lopez	Seats (Total: 35)
	TuTh 2:00pm - 3:15pm	SYM 0215

AREC427 **Economics of Commodity Marketing Systems**

AREC427 Economics of Commodity Marketing Systems; (3 credits) Grade Method: REG/P-F/AUD.
Restricted to Agricultural & Resource Economics majors (0111C &0111O), Environmental Science and Policy Environmental Economics concentration majors (2299D), and those minoring in Agribusiness Economics (#AG01), Environmental Economics and Policy (#AG02), or Resource and Agricultural Policy in Economic Development (#AG03) Other students will be taken off the hold file on the first day of class as space allows. Prerequisite: ECON306, ECON326 or equivalent. Basic economic theory as applied to the marketing of agricultural commodities. Current developments affecting market structure including contractual arrangements, cooperative marketing, vertical integration, and governmental policies.

0101	Howard Leathers	Seats (Total: 30)
	MWF 10:00am - 10:50am	PLS 1129

AREC445 **Agricultural Development, Population Growth and the Environment**

AREC445 Agricultural Development, Population Growth and the Environment; (3 credits) Grade Method: REG/P-F/AUD. CORE Diversity (D) Course. *Restricted to Agricultural & Resource Economics majors (0111C &0111O), Environmental Science and Policy Environmental Economics concentration majors (2299D), and those minoring in Agribusiness Economics (#AG01), Environmental Economics and Policy (#AG02), or Resource and Agricultural Policy in Economic Development (#AG03) Other students will be taken off the hold file on the first day of class as space allows. Prerequisite: ECON306, ECON326 or equivalent.* Development theories, the role of agriculture in economic development, the agricultural policy environment, policies impacting on rural income and equity, environmental impacts of agricultural development.

0101	Marc Nerlove	Seats (Total: 28)
	TuTh 11:00am - 12:15pm	SYM 0209

AREC489C **Special Topics in Agricultural and Resources Economics; Economics Climate of Change**

AREC489C Special Topics in Agricultural and Resources Economics: Economics Climate of Change; (3 credits) Grade Method: REG/P-F/AUD.

0101	Andreas Lange	Seats (Total: 35)
	TuTh 12:30pm - 1:45pm	JMP 1202

AREC489E **Special Topics in Agricultural and Resources Economics; Agricutural Production**

AREC489E Special Topics in Agricultural and Resources Economics: Agricutural Production; (3 credits) Grade Method: REG/P-F/AUD.

0101	Robert Chambers	Seats (Total: 40)
	TuTh 3:30pm - 4:45pm	SYM 0200

AREC610 **Microeconomic Applications in Agricultural and Resource Markets**

AREC610 Microeconomic Applications in Agricultural and Resource Markets; (3 credits) Grade Method: REG/AUD.
Three hours of lecture and one and one-half hours of discussion per week. Prerequisite: ECON 603. Applications of graduate level microeconomic analysis to the problems of agricultural and natural resource production and distribution including demand for agricultural output, the nature of agricultural supply decisions, farm labor issues, land rental and acquisition, and exploitation of natural resources.

0101	Robert Chambers	Seats (Total: 25)	
	TuTh 9:30am - 10:45am	SYM 0209	
	Contact instructor or department for details.		

AREC624 **Applied Econometrics II**

AREC624 Applied Econometrics II; (4 credits) Grade Method: REG/AUD.
Three hours of lecture and one and one-half hours of discussion per week. Variations of the standard linear model and simultaneous equations estimation. Application of econometric tools including nonlinear regression, nonlinear simultaneous equations estimation, qualitative econometric models including logit, probit, and tobit models, varying parameters models, unobserved variables, time series models, and model selection procedures.

0101	Anna Alberini, Richard Just, Barrett Kirwan	Seats (Total: 30)	
	MW 10:00am - 12:30pm	SYM 0209	
	F 10:00am - 12:00pm	SYM 0209	Discussion

AREC632 **Agricultural Policy Analysis**

AREC632 Agricultural Policy Analysis; (3 credits) Grade Method: REG/AUD.
Also offered as AREC 832. Credit will be granted for only one of the following: AREC 632 or AREC 832. The economics of agricultural policies. Methods for analyzing costs and benefits of price supports, import restraints, and other policies for producers, consumers, and taxpayers. Farm programs of the U.S., other industrial countries and developing countries including interventions in both domestic markets and international trade are covered along with their consequences for factor owners and related commodity markets. Theories of the farm problem and possible remedies are offered.

0101	Barrett Kirwan	Seats (Total: 20)	
	TuTh 5:15pm - 6:30pm	SYM 0215	

AREC645 **Environment and Development Economics**

AREC645 Environment and Development Economics; (3 credits) Grade Method: REG/AUD.
Also offered as AREC 845. Credit will be granted for only one of the following: AREC 645 or AREC 845. Considers neoclassical and endogenous growth models; international trade theory; the role of property right institutions and factor markets; the environmental impact of trade liberalization in developing countries and the environmental effects of increasing international capital mobility; empirical studies relating the environment to growth and globalization; and policy analyses.

0101	Ramon Lopez	Seats (Total: 20)
	TuTh 12:30pm - 1:45pm	SYM 0209

AREC699 **Special Problems in Agricultural and Resource Economics**

AREC699 *(PermReq)* **Special Problems in Agricultural and Resource Economics; (1-2 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

AREC799 **Master's Thesis Research**

AREC799 *(PermReq)* **Master's Thesis Research; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

AREC815 **Experimental and Behavioral Economics**

AREC815 Experimental and Behavioral Economics; (3 credits) Grade Method: REG.
Prerequisite: AREC623, AREC624, and ECON603; or equivalent. Credit will be granted for only one of the following: AREC815 or AREC869A. Formerly AREC869A. This course discusses recent experimental and behavioral economics literature. Discusses experimental methods, recent experimental findings and new behavioral theory that adjusts standard neoclassical models in order to explain observed behavioral patterns, which commonly occur but are paradoxical for traditional models.

0101	Andreas Lange	Seats (Total: 25)
	TuTh 11:00am - 12:15pm	SYM 0115

AREC832 **Advanced Agricultural Policy Analysis**

AREC832 Advanced Agricultural Policy Analysis; (3 credits) Grade Method: REG/AUD.
Also offered as AREC 632. Credit will be granted for only one of the following: AREC 632 or AREC 832. Research problems in agricultural policy that include models and methods for explaining the consequences and causes of intervention in agricultural commodity markets. Quantitative, market level analysis of the implications of uncertainty, strategic behavior in international trade, second-best policies, the general equilibrium analysis of intervention, and the political economy of collective action in farm policy.

0101	Barrett Kirwan	Seats (Total: 20)
	TuTh 5:15pm - 6:30pm	SYM 0215

AREC845 **Environment and Development Economics**

AREC845 Environment and Development Economics; (3 credits) Grade Method: REG/AUD.
Also offered as AREC 645. Credit will be granted for only one of the following: AREC 645 or AREC 845. Considers neoclassical and endogenous growth models; international trade theory; the role of property right institutions and factor markets; the environmental impact of trade liberalization in developing countries and the environmental effects of increasing international capital mobility; empirical studies relating the environment to growth and globalization; and policy analyses.

0101	Ramon Lopez	Seats (Total: 20)
	TuTh 12:30pm - 1:45pm	SYM 0209

AREC869K **Advanced Topics in Agricultural Economics; Introduction to Prospectus Writing II**

AREC869K Advanced Topics in Agricultural Economics: Introduction to Prospectus Writing II; (1 credit) Grade Method: REG/AUD.

0101	Richard Just	Seats (Total: 22)
	Contact instructor or department for details.	

AREC869T **Advanced Topics in Agricultural Economics; Trade and Environment**

AREC869T Advanced Topics in Agricultural Economics: Trade and Environment; (3 credits) Grade Method: REG/AUD.

0101	Carol McAusland TuTh 9:30am - 10:45am	Seats (Total: 20) SYM 0215

AREC898 **Pre-Candidacy Research**

AREC898 *(PermReq)* **Pre-Candidacy Research; (1-8 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

AREC899 **Doctoral Dissertation Research**

AREC899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ARHU Arts and Humanities Spring 2009

ARHU106 **Honors Humanities Second Semester Colloquium**

ARHU106 Honors Humanities Second Semester Colloquium; (1 credit) Grade Method: REG.
Prerequisite: ARHU105. For Honors Humanities students only. Formerly ARHU109.
Exploration of the cultural and educational resources of campus and metropolitan area. Attendance at various additional events and activities is required.

0101	Patrick Grzanka M 4:00pm - 4:50pm	Seats (Total: 20) JMZ 3205
0201	Sarah Kimmet W 5:00pm - 5:50pm	Seats (Total: 20) QAN 0103
0301	Justin Maher Th 4:00pm - 4:50pm	Seats (Total: 20) ASY 3219

ARHU206 **Honors Humanities Research Semester**

ARHU206 Honors Humanities Research Semester; (1 credit) Grade Method: REG. *Restricted to Honors Humanities students only. Prerequisite: ARHU105, ARHU106 and ARHU205. Sophomore standing. Not open to students who have completed ARHU209. Credit will be granted for only one of the following: ARHU206 or ARHU209. Formerly ARHU209.* Independent research and completion of students' chosen Keystone Project developed during the preceding three semesters in ARHU105, ARHU 106 and ARHU205. Will meet as a class during the early part of the semester and discuss issues in humanities scholarship including theory, methodology and pedagogy.

0101	Peter Mallios Contact instructor or department for details.	Seats (Total: 20)
0201	Patrick Grzanka Contact instructor or department for details.	Seats (Total: 20)
0301	Justin Maher Contact instructor or department for details.	Seats (Total: 20)
0401	Sarah Kimmet Contact instructor or department for details.	Seats (Total: 20)

ARHU286 **Experiential Learning**

ARHU286 *(PermReq)* **Experiential Learning; (3-6 credits)** Grade Method: REG/P-F. *Prerequisite: Permission of the College of Arts and Humanities. Restricted to students that have earned 12 credits at UM; 2.5 GPA. On-campus internships cannot be taken for credit through ARHU 286 ("on-campus" includes both the University of Maryland and other college campuses). For ARHU majors only.* Designed for ARHU students who wish to complete an internship in one of the academic fields covered within the College of Arts and Humanities.

0101	Paula Nadler Contact instructor or department for details.	Seats (Total: 25)

ARHU308A **Critical Eras: An Interdisciplinary View; Post-War Japan Through Film and Fiction**

ARHU308A Critical Eras: An Interdisciplinary View: Post-War Japan Through Film and Fiction; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as HIST419M and JAPN418B.

0101	Marlene Mayo, Harol Kerkham	Seats (Total: 30)
	Tu 2:00pm - 4:00pm	HBK 0109
	Th 2:00pm - 3:15pm	HBK 0109

ARHU318A **Writers' House Colloquium: Creative Writing Across Languages and Cultures; Poetry Colloquium**

ARHU318A *(PermReq)* **Writers' House Colloquium: Creative Writing Across Languages and Cultures: Poetry Colloquium; (1 credit)** Grade Method: REG.
Restricted to Jimenez-Porter Writers House Students.

0101	Gerald Maa	Seats (Total: 20)
	W 5:30pm - 7:00pm	DOR 0128

ARHU318B **Writers' House Colloquium: Creative Writing Across Languages and Cultures; Prose Colloquium**

ARHU318B *(PermReq)* **Writers' House Colloquium: Creative Writing Across Languages and Cultures: Prose Colloquium; (1 credit)** Grade Method: REG.

0101	Lara Payne	Seats (Total: 20)
	W 7:00pm - 8:30pm	DOR 0128

ARHU318C **Writers' House Colloquium: Creative Writing Across Languages and Cultures**

ARHU318C *(PermReq)* **Writers' House Colloquium: Creative Writing Across Languages and Cultures; (1 credit)** Grade Method: REG.

0101	Johnna Schmidt	Seats (Total: 15)
	W 4:00pm - 5:30pm	DOR 0128

ARHU319A **Writers' House Second Year Colloquium: Form and Theory of Creative Writing; Writing for Publication**

ARHU319A *(PermReq)* **Writers' House Second Year Colloquium: Form and Theory of Creative Writing: Writing for Publication; (3 credits)** Grade Method: REG.
Restricted to Jimenez-Porter Writer's House students.

0101	Zein El-Amine M 3:30pm - 6:00pm Contact instructor or department for details.	Seats (Total: 20) DOR 0128

ARHU328 **Internship in Honors Humanities**

ARHU328 *(PermReq)* **Internship in Honors Humanities; (1-3 credits)** Grade Method: REG/P-F.
For Honors Humanities Students only.

0101	Patrick Grzanka Contact instructor or department for details.	Seats (Total: 5)

ARHU329 **Undergraduate Teaching Assistantship in Honors Humanities**

ARHU329 *(PermReq)* **Undergraduate Teaching Assistantship in Honors Humanities; (1-3 credits)** Grade Method: REG/P-F.
For Honors Humanities Students only.

0101	Patrick Grzanka Contact instructor or department for details.	Seats (Total: 5)

ARHU338 **Undergraduate Teaching Assistantship in the Writers' House**

ARHU338 *(PermReq)* **Undergraduate Teaching Assistantship in the Writers' House; (3 credits)** Grade Method: REG/P-F/AUD.

0101	Zein El-Amine Contact instructor or department for details.	Seats (Total: 2)

ARHU386 **Experiential Learning**

ARHU386 *(PermReq)* **Experiential Learning; (3-6 credits)** Grade Method: REG/P-F.
Prerequisite: permission of the college. Junior standing.

0201	Paula Nadler	Seats (Total: 20)
	Contact instructor or department for details.	

ARHU390H **Cross-Cultural Perspectives on Quality**

ARHU390H Cross-Cultural Perspectives on Quality; (3 credits) Grade Method: REG.
Third course in sequence of four courses restricted to students in the Quest Program.

0101	David Ashley	Seats (Total: 46)
	TuTh 5:00pm - 6:15pm	VMH 1336

ARHU468 **Peer Mentoring Program**

ARHU468 *(PermReq)* **Peer Mentoring Program; (1 credit)** Grade Method: REG. Restricted to ARHU upperclassmen who will serve as peer mentors to help transition new students to the university. Interested students must apply to become a peer mentor. Application deadline: November 10, 2008 Click here for more information.

0101	Megan Cleaver	Seats (Total: 25)
	M 3:30pm - 5:30pm	KEY 0126

ARMY Army Spring 2009

ARMY102 **Basic Military Science II**

ARMY102 Basic Military Science II; (1 credit) Grade Method: REG/P-F/AUD.
The continuation of the exploration of leadership application through classroom instruction, leadership training and mentorship, adventure exercises and camaraderie.

0101	Ranelle Manaois	Seats (Total: 40)	
	W 1:00pm - 1:50pm	COL 0113	
	Th 4:00pm - 6:00pm	COL 3109	Lab
	MWTh 6:30am - 7:30am	Location: TBA	Lab

ARMY104 **Basic Army Physical Fitness II**

ARMY104 Basic Army Physical Fitness II; (2 credits) Grade Method: REG/P-F/AUD.

Recommended: ARMY102. This course expands knowledge and proficiency in Basic Army Physical Fitness. Through a continued progressive, rigorous workouts, students improve individual fitness levels to exceed the Army Physical Fitness Test requirements. Course content also continues exploration of managerial skills and basic military tactics and techniques.

0101	Ranelle Manaois	Seats (Total: 50)
	Contact instructor or department for details.	

ARMY202 **Military Leadership in Practice**

ARMY202 Military Leadership in Practice; (3 credits) Grade Method: REG/P-F/AUD.

Recommended: ARMY201. Sophomore standing. This course uses the case study method to examine the Army Leadership Model as applied to assigned missions in U.S. history. Students learn to evaluate and assimilate effective leadership methods and techniques. Includes a laboratory period in which case studies are worked out and presented by individuals and groups.

0102	Terrence McCall	Seats (Total: 20)	
	Tu 2:00pm - 3:50pm	COL 0101	
	Th 4:00pm - 6:00pm	COL 0113	Lab
	MWTh 6:30am - 7:30am	Location: TBA	Lab

ARMY302 **Advanced Military Leadership II**

ARMY302 Advanced Military Leadership II; (3 credits) Grade Method: REG/P-F/AUD.

Prerequisite: Permission of Army ROTC. Junior standing. Prepares contracted students for certification at the Army National Advance Camp, a prerequisite for commissioning as an officer in the U.S. Army. Focus is directed to military tactics, squad and platoon drills, marksmanship, land navigation and fitness excellence. Includes a laboratory period in applied leadership skills as well as a three day field exercise.

0101	Terrence McCall	Seats (Total: 30)	
	Tu 3:30pm - 6:45pm	COL 0113	
	Th 4:00pm - 6:00pm	COL 3112	Lab
	MWTh 6:30am - 7:30am	Location: TBA	Lab

ARMY402 **Advanced Military Leadership IV**

ARMY402 Advanced Military Leadership IV; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: Permission of Army ROTC. Senior standing. The military system and code of ethics in the military environment is studied. Topics include code of conduct during all forms of military operations, the Geneva Conventions and the ethical decision making process. Also includes a laboratory in applied leadership skills, fitness excellence and two field exercises.

0101	Ranelle Manaois	Seats (Total: 20)	
	Tu 3:30pm - 6:45pm	COL 0102	
	Th 4:00pm - 6:00pm	COL 3111	Lab
	MWTh 6:30am - 7:30am	Location: TBA	Lab

ARSC Air Science Spring 2009

ARSC059 **Air Force Officer Lab**

ARSC059 Air Force Officer Lab; (1 credit) Grade Method: S-F.

0101	Egan Hadsell	Seats (Total: 100)
	Th 7:00am - 8:50am	COL 3109
0102	Egan Hadsell	Seats (Total: 10)
	Th 6:00am - 7:50am	COL 3111

ARSC101 **The USAF Today II**

ARSC101 The USAF Today II; (1 credit) Grade Method: REG.
Open to all university students. AFROTC cadets must also register for ARSC059.
Continuation of ARSC100 for freshmen AFROTC cadets. The mission, organization and systems of the U.S. Air Force offensive, defensive, and aerospace support forces and the use of these forces to support contemporary societal demands. An elective course (required for cadets in the 4 year AFROTC program) open to all university students. All military cadets must also enroll in the ARSC 159 lab concurrently with ARSC 101.

0101	Tina Carlsen Tu 10:00am - 10:50am	Seats (Total: 25) COL 2126
0102	Tina Carlsen Th 10:00am - 10:50am	Seats (Total: 75) COL 3109
0103	Tina Carlsen Th 1:00pm - 1:50pm	Seats (Total: 25) COL 2126

ARSC201 **The Development of Air Power II**

ARSC201 The Development of Air Power II; (1 credit) Grade Method: REG.
Open to all university students. AFROTC cadets must also register for ARSC059.
Continuation of ARSC 200 for sophomore AFROTC cadets. The study of historical events, leaders, and technical developments which surrounded the growth of air power; the basics of leadership; environment of an Air Force officer; and concepts of ethical behavior. An elective course (but required for cadets in the four year AFROTC program) open to all university students. Highly recommended for cadets seeking admission to the summer Field Training program and the final two years of the AFROTC program. Military cadets must also enroll in the ARSC 159 lab concurrently.

0101	Robert Pecoraro Th 11:00am - 11:50am	Seats (Total: 75) COL 3109
0102	Robert Pecoraro Th 12:00pm - 12:50pm	Seats (Total: 25) COL 3109
0103	Robert Pecoraro Tu 9:00am - 9:50am	Seats (Total: 25) COL 2126

ARSC301 **Management and Leadership II**

ARSC301 *(PermReq)* **Management and Leadership II; (3 credits)** Grade Method: REG/P-F/AUD.
Corequisite: ARSC059 or permission of department. Junior standing. Credit will be granted for only one of the following: ARSC301 or ARSC311. Formerly ARSC311. Continuation of ARSC300. Study of leadership and management skills and leadership ethics as well as written and oral communication skills required of Air Force officers.

0101	Egan Hadsell Th 10:00am - 1:00pm	Seats (Total: 25) COL 3111
0102	Egan Hadsell TuTh 2:00pm - 3:30pm	Seats (Total: 25) COL 3109

ARSC399 **Independent Study in Air and Space Power Implementation**

ARSC399 Independent Study in Air and Space Power Implementation; (1-3 credits) Grade Method: REG/P-F/AUD.

0101	Tina Carlsen Contact instructor or department for details.	Seats (Total: 10)

ARSC401 **National Security Forces in Contemporary American Society II**

ARSC401 *(PermReq)* **National Security Forces in Contemporary American Society II; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: ARSC300 or ARSC301; or permission of department. Corequisite: ARSC059 or permission of department. Senior standing. Credit will be granted for only one of the following: ARSC321 or ARSC401. Formerly ARSC321. This course examines various subjects including: military law/justice, preparation for active duty, and current issues affecting military professionalism.

0101	William Zutt Th 10:00am - 1:00pm	Seats (Total: 30) COL 2126
0102	William Zutt TuTh 2:00pm - 3:30pm	Seats (Total: 30) COL 2126

ARTH200 **Art of the Western World to 1300**

ARTH200 Art of the Western World to 1300; (3 credits) Grade Method: REG/P-F/AUD. CORE History or Theory of Arts (HA) Course.
Painting, sculpture, and architecture from prehistoric times to the Renaissance.

0101	Louise Martinez TuTh 9:30am - 10:20am F 9:00am - 9:50am	Seats (Total: 28) ASY 2203 ASY 3219	Discussion
0102	Louise Martinez TuTh 9:30am - 10:20am W 10:00am - 10:50am	Seats (Total: 32) ASY 2203 ASY 3211	Discussion
0103	Louise Martinez TuTh 9:30am - 10:20am F 11:00am - 11:50am	Seats (Total: 32) ASY 2203 ASY 3211	Discussion
0104	Louise Martinez TuTh 9:30am - 10:20am F 10:00am - 10:50am	Seats (Total: 28) ASY 2203 ASY 3219	Discussion
0105	Louise Martinez TuTh 9:30am - 10:20am W 9:00am - 9:50am	Seats (Total: 28) ASY 2203 ASY 3219	Discussion
0106	Louise Martinez TuTh 9:30am - 10:20am M 9:00am - 9:50am	Seats (Total: 32) ASY 2203 ASY 3207	Discussion

ARTH201 **Art of the Western World after 1300**

ARTH201 Art of the Western World after 1300; (3 credits) Grade Method: REG/P-F/AUD. CORE History or Theory of Arts (HA) Course.
Painting, sculpture, and architecture from the Renaissance to the present.

0101	Aneta Georgievska-Shine MW 9:00am - 9:50am M 10:00am - 10:50am	Seats (Total: 32) ASY 2203 ASY 3211	Discussion

0102	Aneta Georgievska-Shine MW 9:00am - 9:50am Th 9:30am - 10:20am	Seats (Total: 26) ASY 2203 ASY 3221	Discussion
0103	Aneta Georgievska-Shine MW 9:00am - 9:50am W 10:00am - 10:50am	Seats (Total: 30) ASY 2203 ASY 3215	Discussion
0104	Aneta Georgievska-Shine MW 9:00am - 9:50am W 11:00am - 11:50am	Seats (Total: 28) ASY 2203 ASY 3219	Discussion
0105	Aneta Georgievska-Shine MW 9:00am - 9:50am F 10:00am - 10:50am	Seats (Total: 32) ASY 2203 ASY 3211	Discussion
0106	Aneta Georgievska-Shine MW 9:00am - 9:50am F 9:00am - 9:50am	Seats (Total: 30) ASY 2203 ASY 3215	Discussion

ARTH250 **Art and Archaeology of Ancient America**

ARTH250 Art and Archaeology of Ancient America; (3 credits) Grade Method: REG/P-F/AUD. CORE History or Theory of Arts (HA) Course. CORE Diversity (D) Course.

Art and archaeology of ancient Mesoamerica from 500 B.C. to 1500 A.D.

0101	Juliet Wiersema MW 11:00am - 11:50am M 9:00am - 9:50am	Seats (Total: 28) ASY 2203 ASY 3219	Discussion
0102	Juliet Wiersema MW 11:00am - 11:50am W 10:00am - 10:50am	Seats (Total: 28) ASY 2203 ASY 3219	Discussion
0103	Juliet Wiersema MW 11:00am - 11:50am Th 9:30am - 10:20am	Seats (Total: 28) ASY 2203 ASY 3219	Discussion

0104	Juliet Wiersema MW 11:00am - 11:50am M 10:00am - 10:50am	Seats (Total: 30) ASY 2203 ASY 3215	Discussion
0105	Juliet Wiersema MW 11:00am - 11:50am F 11:00am - 11:50am	Seats (Total: 30) ASY 2203 ASY 3215	Discussion
0106	Juliet Wiersema MW 11:00am - 11:50am F 10:00am - 10:50am	Seats (Total: 30) ASY 2203 ASY 3215	Discussion

ARTH275 **Art and Archaeology of Africa**

ARTH275 Art and Archaeology of Africa; (3 credits) Grade Method: REG/P-F/AUD. CORE History or Theory of Arts (HA) Course. CORE Diversity (D) Course. Appreciation of the art of African cultures. A survey of African culture through painting, sculpture, and architecture from prehistoric times to the present.

0101	Shannen Hill MW 10:00am - 10:50am F 11:00am - 11:50am	Seats (Total: 28) ASY 2203 ASY 3219	Discussion
0102	Shannen Hill MW 10:00am - 10:50am F 9:00am - 9:50am	Seats (Total: 31) ASY 2203 ASY 3211	Discussion
0103	Shannen Hill MW 10:00am - 10:50am M 11:00am - 11:50am	Seats (Total: 31) ASY 2203 ASY 3211	Discussion
0104	Shannen Hill MW 10:00am - 10:50am W 9:00am - 9:50am	Seats (Total: 31) ASY 2203 ASY 3211	Discussion
0105	Shannen Hill MW 10:00am - 10:50am M 9:00am - 9:50am	Seats (Total: 31) ASY 2203 ASY 3211	Discussion

0106	Shannen Hill MW 10:00am - 10:50am W 11:00am - 11:50am	Seats (Total: 30) ASY 2203 ASY 3215	Discussion

ARTH290 **Art of Asia**

ARTH290 Art of Asia; (3 credits) Grade Method: REG/P-F/AUD. CORE History or Theory of Arts (HA) Course. CORE Diversity (D) Course.
South and East Asian art from prehistory through the mid-19th century.

0101	Martha Bari TuTh 11:00am - 11:50am M 11:00am - 11:50am	Seats (Total: 28) ASY 2203 ASY 3219	Discussion
0102	Martha Bari TuTh 11:00am - 11:50am W 11:00am - 11:50am	Seats (Total: 32) ASY 2203 ASY 3211	Discussion
0103	Martha Bari TuTh 11:00am - 11:50am Tu 9:30am - 10:20am	Seats (Total: 28) ASY 2203 ASY 3219	Discussion
0104	Martha Bari TuTh 11:00am - 11:50am W 9:00am - 9:50am	Seats (Total: 30) ASY 2203 ASY 3215	Discussion
0105	Martha Bari TuTh 11:00am - 11:50am M 10:00am - 10:50am	Seats (Total: 28) ASY 2203 ASY 3219	Discussion
0106	Martha Bari TuTh 11:00am - 11:50am M 9:00am - 9:50am	Seats (Total: 30) ASY 2203 ASY 3215	Discussion

ARTH300 **Egyptian Art and Archaeology**

ARTH300 Egyptian Art and Archaeology; (3 credits) Grade Method: REG/P-F/AUD.
Formerly ARTH400. Sites and monuments of painting, sculpture, architecture, and the minor arts of ancient Egypt from earliest times through the Roman conquest. Emphasis on the pharaonic period.

0101	Marjorie Venit	Seats (Total: 30)
	TuTh 11:00am - 12:15pm	ASY 3215

ARTH321 **Sixteenth-Century Northern European Painting**

ARTH321 Sixteenth-Century Northern European Painting; (3 credits) Grade Method: REG/P-F/AUD.
Formerly ARTH425. Painting in France, Germany, England, and the Low Countries during the Renaissance and Reformation.

0101	Louise Martinez	Seats (Total: 30)
	TuTh 12:30pm - 1:45pm	ASY 3215

ARTH324 **Sixteenth-Century Italian Renaissance Art**

ARTH324 Sixteenth-Century Italian Renaissance Art; (3 credits) Grade Method: REG/P-F/AUD.
Formerly ARTH416. Painting, sculpture, architecture, and the decorative arts of the sixteenth century in Italy.

0101	Meredith Gill	Seats (Total: 30)
	TuTh 2:00pm - 3:15pm	ASY 3211

ARTH330 **Seventeenth-Century European Art**

ARTH330 Seventeenth-Century European Art; (3 credits) Grade Method: REG/P-F/AUD.
Formerly ARTH430. Painting, sculpture and architecture concentrating on Italy, Spain, France, and England.

0101	James Hutson	Seats (Total: 30)
	Th 7:00pm - 9:30pm	ASY 3211

ARTH346 **Nineteenth-Century European Art from 1850**

ARTH346 Nineteenth-Century European Art from 1850; (3 credits) Grade Method: REG/P-F/AUD.
Formerly ARTH446. The major trends from Realism through Impressionism to Symbolism and Art Nouveau, in painting, sculpture, and architecture.

0101	June Hargrove	Seats (Total: 30)
	TuTh 12:30pm - 1:45pm	ASY 3211

ARTH384 **Art of Japan**

ARTH384 Art of Japan; (3 credits) Grade Method: REG/P-F/AUD. CORE Diversity (D) Course.
Formerly ARTH395. A chronological survey of Japanese painting, sculpture, architecture, and the applied arts.

0101	Yui Suzuki	Seats (Total: 30)
	TuTh 2:00pm - 3:15pm	ASY 3215

ARTH386 **Experiential Learning**

ARTH386 *(PermReq)* **Experiential Learning; (3-6 credits)** Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: permission of department. Junior standing.

Contact department for information to register for this course.

ARTH389B **Special Topics in Art History and Archaeology; Luxury Objects and Visual Culture in 17th-Century Europe**

ARTH389B Special Topics in Art History and Archaeology: Luxury Objects and Visual Culture in 17th-Century Europe; (3 credits) Grade Method: REG/P-F/AUD.

0101	Anthony Colantuono	Seats (Total: 30)
	TuTh 11:00am - 12:15pm	ASY 3211

ARTH389C **Special Topics in Art History and Archaeology; American Animation and Photographic Realism in Film**

ARTH389C Special Topics in Art History and Archaeology: American Animation and Photographic Realism in Film; (3 credits) Grade Method: REG/P-F/AUD.

0101	Greg Metcalf W 3:00pm - 5:30pm	Seats (Total: 25) ASY 3215

ARTH389K **Special Topics in Art History and Archaeology; Arts of Korea**

ARTH389K Special Topics in Art History and Archaeology: Arts of Korea; (3 credits) Grade Method: REG/P-F/AUD.

0101	Seojeong Shin Th 3:30pm - 6:00pm	Seats (Total: 30) ASY 3215

ARTH462 **Twentieth-Century Black American Art**

ARTH462 Twentieth-Century Black American Art; (3 credits) Grade Method: REG/P-F/AUD.
Formerly ARTH474. The visual arts of Black Americans in the twentieth century, including crafts and decorative arts.

0101	Renee Ater TuTh 3:30pm - 4:45pm	Seats (Total: 30) ASY 3211

ARTH488A **Colloquium in Art History; American Sculpture Before 1925**

ARTH488A Colloquium in Art History: American Sculpture Before 1925; (3 credits) Grade Method: REG/P-F/AUD.

0101	Renee Ater TuTh 12:30pm - 1:45pm	Seats (Total: 10) ASY 3217

ARTH488B **Colloquium in Art History; The Visual Culture of War from 1700 to 1945**

ARTH488B Colloquium in Art History: The Visual Culture of War from 1700 to 1945; (3 credits) Grade Method: REG/P-F/AUD.

0101	June Hargrove TuTh 9:30am - 10:45am	Seats (Total: 10) ASY 3217

ARTH488C **Colloquium in Art History; Death and the Afterlife in Japanese Visual Culture**

ARTH488C Colloquium in Art History: Death and the Afterlife in Japanese Visual Culture; (3 credits) Grade Method: REG/P-F/AUD.

0101	Yui Suzuki	Seats (Total: 10)
	TuTh 11:00am - 12:15pm	ASY 3217

ARTH489B **Special Topics in Art History; The Landscape in Modern and Contemporary Art**

ARTH489B Special Topics in Art History: The Landscape in Modern and Contemporary Art; (3 credits) Grade Method: REG/P-F/AUD.

0101	Joshua Shannon	Seats (Total: 30)
	TuTh 9:30am - 10:45am	ASY 3211

ARTH489D **Special Topics in Art History; Japanese Art: The Visual Cultures of Edo Japan**

ARTH489D Special Topics in Art History: Japanese Art: The Visual Cultures of Edo Japan; (3 credits) Grade Method: REG/P-F/AUD.

0101	Alicia Volk	Seats (Total: 30)
	TuTh 9:30am - 10:45am	ASY 3215

ARTH489F **Special Topics in Art History; Contemporary Chinese Film and Visual Culture**

ARTH489F Special Topics in Art History: Contemporary Chinese Film and Visual Culture; (3 credits) Grade Method: REG/P-F/AUD.

0101	Jason Kuo	Seats (Total: 30)
	TuTh 11:00am - 12:15pm	HBK 0302J

ARTH489H **Special Topics in Art History**
Contact department for information to register for this course.

ARTH489Z **Special Topics in Art History; Art in London**
Contact department for information to register for this course.

ARTH496 **Methods of Art History and Archaeology**

ARTH496 Methods of Art History and Archaeology; (3 credits) Grade Method: REG.

Prerequisite: permission of department. For ARTH majors only. Methods of research and criticism applied to typical art-historical/ archaeological problems, familiarizing the student with bibliography and other research tools. Introduction to the historiography of art history and archaeology, surveying the principal theories, encouraging methodological debates within the discipline. Course for majors who intend to go on to graduate school.

0101	Aneta Georgievska-Shine	Seats (Total: 10)
	M 3:00pm - 5:30pm	ASY 3217

ARTH498 **Directed Studies in Art History I**

ARTH498 Directed Studies in Art History I; (2-3 credits) Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ARTH499 **Honors Thesis**

ARTH499 *(PermReq)* **Honors Thesis; (3-6 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ARTH738 **Seminar in Seventeenth-Century Southern European Art**

ARTH738 *(PermReq)* **Seminar in Seventeenth-Century Southern European Art; (3 credits)** Grade Method: REG/AUD.

0101	Anthony Colantuono	Seats (Total: 6)
	Tu 3:00pm - 5:40pm	ASY 4304

ARTH739 **Seminar in Seventeenth-Century Northern European Art**

ARTH739 *(PermReq)* **Seminar in Seventeenth-Century Northern European Art; (3 credits)** Grade Method: REG/AUD.

0101	Arthur Wheelock M 3:00pm - 5:40pm	Seats (Total: 6) ASY 4304

ARTH748 **Seminar in Eighteenth-Century European Art**

ARTH748 *(PermReq)* **Seminar in Eighteenth-Century European Art; (3 credits)** Grade Method: REG/AUD.

0101	William Pressly Th 3:00pm - 5:40pm	Seats (Total: 6) ASY 4304

ARTH759 **Seminar in Twentieth-Century Art**

ARTH759 *(PermReq)* **Seminar in Twentieth-Century Art; (3 credits)** Grade Method: REG/AUD.

0101	Joshua Shannon Tu 12:00pm - 2:40pm	Seats (Total: 6) ASY 4304

ARTH779 **Seminar in Japanese Art**

ARTH779 *(PermReq)* **Seminar in Japanese Art; (3 credits)** Grade Method: REG/AUD.

0101	Alicia Volk M 12:00pm - 2:40pm	Seats (Total: 6) ASY 4304

ARTH789 **Selected Topics in Art History; AFRICAN ART**

ARTH789 *(PermReq)* **Selected Topics in Art History: AFRICAN ART; (3 credits)** Grade Method: REG/AUD.

0101	Shannen Hill W 3:00pm - 5:40pm	Seats (Total: 6) ASY 4304

ARTH798 **Directed Graduate Studies in Art History**

ARTH798 *(PermReq)* **Directed Graduate Studies in Art History; (3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ARTH799 **Master's Thesis Research**

ARTH799 *(PermReq)* **Master's Thesis Research; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ARTH898 **Pre-Candidacy Research**

ARTH898 *(PermReq)* **Pre-Candidacy Research; (1-8 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ARTH899 **Doctoral Dissertation Research**

ARTH899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ARTT Art Studio Spring 2009

ARTT100 **Two-Dimensional Design Fundamentals**

ARTT100 Two-Dimensional Design Fundamentals; (3 credits) Grade Method: REG/P-F/AUD.
Credit will be granted for only one of the following: ARTT100, ARTS100, DESN101, or APDS101. Formerly ARTS100. Principles and elements of two-dimensional design. Introduction to visual communication. Students must pay a $40.00 studio lab fee.

0101	Guita Vafai	Seats (Total: 18)	
	TuTh 3:00pm - 5:30pm	ASY 2314	Lab

0201	Guita Vafai TuTh 3:00pm - 5:30pm	Seats (Total: 18) ASY 2318	Lab
0301	Leslie Berns MW 12:30pm - 3:00pm	Seats (Total: 18) ASY 2314	Lab
0401	Leslie Berns MW 12:30pm - 3:00pm	Seats (Total: 18) ASY 2318	Lab
0501	Timothy Horjus MW 9:00am - 11:30am	Seats (Total: 18) ASY 2314	Lab
0601	Timothy Horjus MW 9:00am - 11:30am	Seats (Total: 18) ASY 2318	Lab
0701	James Thorpe TuTh 12:30pm - 3:00pm	Seats (Total: 18) ASY 2314	Lab
0801	James Thorpe TuTh 12:30pm - 3:00pm	Seats (Total: 18) ASY 2318	Lab
0901	Leslie Berns MW 3:00pm - 5:30pm	Seats (Total: 18) ASY 2314	Lab
1001	Leslie Berns MW 3:00pm - 5:30pm	Seats (Total: 18) ASY 2318	Lab

ARTT110 **Elements of Drawing I**

ARTT110 Elements of Drawing I; (3 credits) Grade Method: REG/P-F/AUD. *Formerly ARTS110.* Fundamental concepts, media, and processes of drawing. Emphasis on observation and representation in combination with individual expression. Subject matter includes still life, human figure, nature, the built environment, and conceptual projects. Students must pay a $40.00 studio lab fee.

0101	Tadeusz Lapinski TuTh 9:00am - 11:30am	Seats (Total: 18) ASY 2317	Lab
0201	Tadeusz Lapinski TuTh 9:00am - 11:30am	Seats (Total: 18) ASY 2321	Lab

0301	Jeffrey Pinder MW 12:30pm - 3:00pm	Seats (Total: 15) ASY 2317	Lab
0401	Jeffrey Pinder MW 12:30pm - 3:00pm	Seats (Total: 15) ASY 2321	Lab
0501	Edward Bisese TuTh 3:00pm - 5:30pm	Seats (Total: 18) ASY 2317	Lab
0601	Edward Bisese TuTh 3:00pm - 5:30pm	Seats (Total: 18) ASY 2321	Lab
0701	Beverly Ress MW 3:00pm - 5:30pm	Seats (Total: 18) ASY 2317	Lab
0801	Beverly Ress MW 3:00pm - 5:30pm	Seats (Total: 18) ASY 2321	Lab
0901	Dawn Gavin MW 9:00am - 11:30am	Seats (Total: 18) ASY 2317	Lab
1001	Dawn Gavin MW 9:00am - 11:30am	Seats (Total: 18) ASY 2321	Lab

ARTT150 **Introduction to Art Theory**

ARTT150 Introduction to Art Theory; (3 credits) Grade Method: REG/P-F/AUD. CORE History or Theory of Arts (HA) Course.
Fundamental concepts of global, philosophic, and critical art theory examined through various historic and contemporary texts, and the analysis of works of art.

0101	Richard Klank MW 1:00pm - 1:50pm M 11:00am - 11:50am	Seats (Total: 27) ASY 2309 ASY 3203	Discussion
0102	Richard Klank MW 1:00pm - 1:50pm W 11:00am - 11:50am	Seats (Total: 27) ASY 2309 ARC 1103	Discussion

0103	Richard Klank MW 1:00pm - 1:50pm W 12:00pm - 12:50pm	Seats (Total: 27) ASY 2309 ARC 1101	 Discussion
0201	Rex Weil TuTh 3:30pm - 4:20pm Th 2:00pm - 2:50pm	Seats (Total: 27) ASY 2309 ARC 1103	 Discussion
0202	Rex Weil TuTh 3:30pm - 4:20pm Tu 2:00pm - 2:50pm	Seats (Total: 27) ASY 2309 ASY 2314	 Discussion
0203	Rex Weil TuTh 3:30pm - 4:20pm Th 12:30pm - 1:20pm	Seats (Total: 27) ASY 2309 ASY 3219	 Discussion

ARTT200 **Three-Dimensional Art Fundamentals**

ARTT200 Three-Dimensional Art Fundamentals; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ARTT100 and ARTT110. Credit will be granted for only one of the following: ARTT200, ARTS200, DESN102, or APDS102. Formerly ARTS200.
Fundamental concepts of three-dimensional form and space examined through the manipulation and organization of various materials. Students must pay a $40.00 studio lab fee.

0101	Foon Sham TuTh 12:30pm - 3:00pm	Seats (Total: 18) ASY 1311	 Lab
0201	Steven Jones MW 9:00am - 11:30am	Seats (Total: 18) ASY 1311	 Lab
0301	John McCarty TuTh 4:00pm - 6:30pm	Seats (Total: 18) ASY 1314	 Lab
0401	Steven Jones MW 3:00pm - 5:30pm	Seats (Total: 18) ASY 1311	 Lab

ARTT208C **Intermediate Special Topics in Art; Experimentation in Watercolor**

ARTT208C Intermediate Special Topics in Art: Experimentation in Watercolor; (3 credits) Grade Method: REG/P-F/AUD.
Students must pay a $40.00 studio lab fee.

0101	Tadeusz Lapinski TuTh 12:30pm - 3:00pm	Seats (Total: 20) ASY 2315	 Lab

ARTT210 **Elements of Drawing II**

ARTT210 Elements of Drawing II; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: ARTT110. Formerly ARTS210.* Continuation of ARTT110 with additional emphasis on color, figure drawing, and contemporary issues. Students must pay a $40.00 studio lab fee.

0101	Emily Conover TuTh 9:00am - 11:30am	Seats (Total: 20) ASY 2315	 Lab
0201	Marc Boone MW 6:00pm - 8:30pm	Seats (Total: 20) ASY 2315	 Lab
0301	Ellington Robinson MW 9:00am - 11:30am	Seats (Total: 20) ASY 2315	 Lab
0401	Patrick Burns TuTh 3:00pm - 5:30pm	Seats (Total: 20) ASY 2315	 Lab

ARTT320 **Elements of Painting**

ARTT320 Elements of Painting; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisites: ARTT150, ARTT200, and ARTT210; or permission of department. Formerly ARTS320.* Concepts and fundamental processes of oil and/or acrylic painting. Sections 0101 and 0201 use acrylic paint only. Students must pay a $40.00 studio lab fee.

0101	Matthew Best MW 3:00pm - 5:30pm	Seats (Total: 20) ASY 3312	 Lab
0201	Patrick Burns TuTh 12:30pm - 3:00pm	Seats (Total: 20) ASY 3318	 Lab

0301	Richard Klank	Seats (Total: 15)	
	MW 9:00am - 11:30am	ASY 3322	Lab

ARTT320H **Elements of Painting**

ARTT320H *(PermReq)* **Elements of Painting; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisites: ARTT150, ARTT200, and ARTT210; or permission of department. Formerly ARTS320. Students must pay a $40.00 studio lab fee.

0101	Patrick Burns	Seats (Total: 2)	
	TuTh 12:30pm - 3:00pm	ASY 3318	Lab
0301	Richard Klank	Seats (Total: 2)	
	MW 9:00am - 11:30am	ASY 3318	Lab

ARTT330 **Elements of Sculpture: Metal Casting**

ARTT330 Elements of Sculpture: Metal Casting; (3 credits) Grade Method: REG/P-F.
Prerequisites: ARTT150, ARTT200, and ARTT210; or permission of department. Formerly ARTS330. Sculptural concepts and fundamental processes related to metal casting. Students must pay a $40.00 studio lab fee.

0101	Steven Jones	Seats (Total: 12)	
	MW 12:30pm - 3:00pm	ASY 1310	Lab

ARTT331 **Elements of Sculpture: Steel**

ARTT331 Elements of Sculpture: Steel; (3 credits) Grade Method: REG/P-F.
Prerequisites: ARTT150, ARTT200, and ARTT210; or permission of department. Sculptural concepts and fundamental processes related to steel fabrication; torch cutting, welding, hot forging, and finishing. Students must pay a $40.00 studio lab fee.

0101	John McCarty	Seats (Total: 10)	
	TuTh 12:30pm - 3:00pm	ASY 1314	Lab

ARTT333 **Elements of Sculpture: Wood and Mixed Media**

ARTT333 Elements of Sculpture: Wood and Mixed Media; (3 credits) Grade Method: REG/P-F.
Prerequisites: ARTT150, ARTT200, and ARTT210; or permission of department. Sculptural concepts and fundamental processes using wood and mixed media. Students must pay a $40.00 studio lab fee.

0101	Foon Sham	Seats (Total: 14)	
	TuTh 3:00pm - 5:30pm	ASY 1311	Lab

ARTT340 **Elements of Printmaking: Intaglio**

ARTT340 Elements of Printmaking: Intaglio; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisites: ARTT150, ARTT200, and ARTT210; or permission of department. Formerly ARTS340. Concepts and fundamental processes related to etching, aquatint, and drypoint. Students must pay a $40.00 studio lab fee.

0101	Margo Humphrey	Seats (Total: 12)
	MW 12:30pm - 3:00pm	ASY M1325

ARTT341 **Elements of Printmaking: Woodcut and Relief**

ARTT341 Elements of Printmaking: Woodcut and Relief; (3 credits) Grade Method: REG/P-F.
Prerequisites: ARTT150, ARTT200, and ARTT210; or permission of department. Formerly ARTS341. Concepts and fundamental processes related to woodcuts, linocuts, and other relief printing media. Students must pay a $40.00 studio lab fee.

0101	Justin Strom	Seats (Total: 12)	
	TuTh 3:00pm - 5:30pm	ASY M1325	Lab

ARTT343 **Elements of Printmaking: Screen Printing**

ARTT343 Elements of Printmaking: Screen Printing; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisites: ARTT150, ARTT200, and ARTT210; or permission of department. Formerly ARTS343. Concepts and fundamental processes related to silkscreen printing. This course will include photographic processes. Students must pay a $40.00 studio lab fee.

0101	Justin Strom	Seats (Total: 12)	
	TuTh 12:30pm - 3:00pm	ASY 1317	Lab

ARTT343H **Elements of Printmaking: Screen Printing**

ARTT343H *(PermReq)* **Elements of Printmaking: Screen Printing; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisites: ARTT150, ARTT200, and ARTT210; or permission of department. Formerly ARTS343. Students must pay a $40.00 studio lab fee.

0101	Justin Strom	Seats (Total: 2)	
	TuTh 12:30pm - 3:00pm	ASY 1317	Lab

ARTT344 **Elements of Printmaking: Lithography**

ARTT344 Elements of Printmaking: Lithography; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisites: ARTT150, ARTT200, and ARTT210; or permission of department. Formerly ARTS344. Concepts and fundamental processes related to drawing, preparing, and printing images on lithograph stones or plates. Students must pay a $40.00 studio lab fee.

0101	Margo Humphrey	Seats (Total: 12)	
	MW 9:00am - 11:30am	ASY 1317	Lab

ARTT344H **Elements of Printmaking: Lithography**

ARTT344H *(PermReq)* **Elements of Printmaking: Lithography; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisites: ARTT150, ARTT200, and ARTT210; or permission of department. Formerly ARTS344. Students must pay a $40.00 studio lab fee.

0101	Margo Humphrey	Seats (Total: 2)	
	MW 9:00am - 11:30am	ASY 1317	Lab

ARTT350 **Elements of Design**

ARTT350 *(PermReq)* **Elements of Design; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisites: ARTT200, and ARTT210; and permission of department through portfolio review. Not open to students who have completed ARTT250. Credit will be granted for only one of the following: ARTT350 or ARTT250. Formerly ARTT250. Investigation of basic design principles and methods. Introduction to basic typography, layout, illustration, exhibit design, and product/package design. Students must pay a $40.00 studio lab fee.

0101	Audra Buck-Coleman	Seats (Total: 20)	
	MW 9:00am - 11:30am	ASY 2322	Lab

ARTT351 **Elements of Graphic Design and Illustration**

ARTT351 *(PermReq)* **Elements of Graphic Design and Illustration; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: ARTT250 or ARTT350 or permission of instructor. Credit will be granted for only one of the following: ARTT350 or ARTT250. Instruction to visual communications, logo, multi-page publication, marketing graphics, as well as a variety of media and techniques of editorial illustration. Students must pay a $40.00 studio lab fee.

0101	James Thorpe	Seats (Total: 20)	
	TuTh 9:00am - 11:30am	ASY 2322	Lab

ARTT352 **Three Dimensional Graphics**

ARTT352 *(PermReq)* **Three Dimensional Graphics; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: ARTT350 or permission of instructor. Graphic design and color concepts applied to three-dimensional objects and architectural environments. Presentations include scale drawings, scale models, and real size mock-ups. Students must pay a $40.00 studio lab fee.

0101	Audra Buck-Coleman	Seats (Total: 20)	
	MW 12:30pm - 3:00pm	ASY 2322	Lab

ARTT353 **Elements of Photography**

ARTT353 Elements of Photography; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisites: ARTT150, ARTT200, and ARTT210; or permission of department.
Introduction to black-and-white photography. Basic technical and aesthetic vocabulary, camera mechanics and darkroom techniques. Introduction to the photographic message and meaning in both fine art and design concept. Students must pay a $40.00 studio lab fee. Click here for more course information.

0101	Barbara Tyroler	Seats (Total: 15)	
	MW 9:00am - 11:30am	MMH 0401	Lab
	MW 9:00am - 11:30am	MMH 0110	Lab

ARTT354 **Elements of Computer Graphics**

ARTT354 Elements of Computer Graphics; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisites: ARTT150, ARTT200, and ARTT210; or permission of department.
Introduction to computer graphics, imaging, illustration and mixed media. Students must pay a $40.00 studio lab fee.

0101	Narendra Ratnapala	Seats (Total: 14)	
	MW 12:30pm - 3:00pm	ASY 3311E	Lab
0201	Narendra Ratnapala	Seats (Total: 12)	
	MW 10:00am - 12:30pm	CSS 1410	Lab
0301	Narendra Ratnapala	Seats (Total: 12)	
	MW 10:00am - 12:30pm	CSS 1410	Lab
0401	Narendra Ratnapala	Seats (Total: 12)	
	TuTh 3:30pm - 6:00pm	CSS 1410	Lab
0501	Narendra Ratnapala	Seats (Total: 12)	
	TuTh 3:30pm - 6:00pm	CSS 1410	Lab

ARTT354G **Elements of Computer Graphics**

ARTT354G *(PermReq)* **Elements of Computer Graphics; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisites: ARTT150, ARTT200, and ARTT210; or permission of department.
Students must pay a $40.00 studio lab fee.

0101	Audra Buck-Coleman	Seats (Total: 18)	
	MW 3:30pm - 6:00pm	VMH 3507	
	This section is for Design and Marketing Fellows only.		

ARTT386 **Experiential Learning**

ARTT386 *(PermReq)* **Experiential Learning; (3-6 credits)** Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: permission of department. Junior standing.

Contact department for information to register for this course.

ARTT389 **Department of Art Undergraduate Teaching Assistantship**

ARTT389 *(PermReq)* **Department of Art Undergraduate Teaching Assistantship; (3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ARTT399 **Department of Art Research Assistantship**

ARTT399 *(PermReq)* **Department of Art Research Assistantship; (3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ARTT418A **Advanced Drawing Studio; Experimental Techniques**

ARTT418A Advanced Drawing Studio: Experimental Techniques; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ARTT 210. Students must pay a $40.00 studio lab fee.

0101	Marc Boone	Seats (Total: 18)	
	MW 3:00pm - 5:30pm	ASY 2315	Lab

ARTT418B **Advanced Drawing Studio; Advanced Drawing: Contemporary Approach**

ARTT418B Advanced Drawing Studio: Advanced Drawing: Contemporary Approach; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ARTT 210. Students must pay a $40.00 studio lab fee.

0201	Patrick Craig TuTh 12:30pm - 3:00pm	Seats (Total: 20) ASY 2317	 Lab
0301	Dawn Gavin MW 12:30pm - 3:00pm	Seats (Total: 18) ASY 2315	 Lab

ARTT418H **Advanced Drawing Studio; Advanced Drawing**

ARTT418H *(PermReq)* **Advanced Drawing Studio: Advanced Drawing; (3 credits)** Grade Method: REG/P-F/AUD.
Students must pay a $40.00 studio lab fee.

0201	Patrick Craig TuTh 12:30pm - 3:00pm	Seats (Total: 2) ASY 2317	 Lab
0301	Dawn Gavin MW 12:30pm - 3:00pm	Seats (Total: 2) ASY 2315	 Lab

ARTT428 **Advanced Painting Studio; Advanced Painting**

ARTT428 Advanced Painting Studio: Advanced Painting; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ARTT320. Students must pay a $40.00 studio lab fee.

0101	Emily Conover TuTh 12:30pm - 3:00pm	Seats (Total: 20) ASY 3312	 Lab
0201	Patrick Craig TuTh 3:00pm - 5:30pm	Seats (Total: 20) ASY 3312	 Lab
0301	Richard Klank MW 9:00am - 11:30am	Seats (Total: 8) ASY 3318	 Lab

ARTT428H **Advanced Painting Studio; Advanced Painting**

ARTT428H Advanced Painting Studio: Advanced Painting; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ARTT320. Students must pay a $40.00 studio lab fee.

0201	Patrick Craig	Seats (Total: 2)	
	TuTh 3:00pm - 5:30pm	ASY 3316	Lab
0301	Richard Klank	Seats (Total: 2)	
	MW 9:00am - 11:30am	ASY 3318	Lab

ARTT438A **Advanced Sculpture Studio; Advanced Metal Casting**

ARTT438A Advanced Sculpture Studio: Advanced Metal Casting; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ARTT330 or permission of department. Students must pay a $40.00 studio lab fee.

0101	Steven Jones	Seats (Total: 4)	
	MW 12:30pm - 3:00pm	ASY 1310	Lab

ARTT438B **Advanced Sculpture Studio; Advanced Steel Sculpture**

ARTT438B Advanced Sculpture Studio: Advanced Steel Sculpture; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite ARTT331. Students must pay a $40.00 studio lab fee.

0101	John McCarty	Seats (Total: 6)	
	TuTh 12:30pm - 3:00pm	ASY 1314	Lab

ARTT438D **Advanced Sculpture Studio; Advanced Sculpture in Wood and Mixed Media**

ARTT438D *(PermReq)* **Advanced Sculpture Studio: Advanced Sculpture in Wood and Mixed Media; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: ARTT333. Students must pay a $40.00 studio lab fee.

0101	Foon Sham	Seats (Total: 4)	
	TuTh 3:00pm - 5:30pm	ASY 1311	Lab

ARTT438H **Advanced Sculpture Studio; Avdanced Sculpture**

ARTT438H *(PermReq)* **Advanced Sculpture Studio: Avdanced Sculpture; (3 credits)** Grade Method: REG/P-F/AUD.
Students must pay a $40.00 studio lab fee.

0101	Foon Sham	Seats (Total: 2)	
	TuTh 3:00pm - 5:30pm	ASY 1311	Lab
0301	John McCarty	Seats (Total: 2)	
	TuTh 12:30pm - 3:00pm	ASY 1314	Lab

ARTT448 **Advanced Printmaking Studio; Advanced Woodcut and Relief**

ARTT448 Advanced Printmaking Studio: Advanced Woodcut and Relief; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ARTT340. Students must pay a $40.00 studio lab fee.

0101	Justin Strom	Seats (Total: 4)	
	TuTh 3:00pm - 5:30pm	ASY 1317	Lab

ARTT448B **Advanced Printmaking Studio; Advanced Lithography**

ARTT448B Advanced Printmaking Studio: Advanced Lithography; (3 credits)
Grade Method: REG/P-F/AUD.
Students must pay a $40.00 studio lab fee.

0101	Margo Humphrey	Seats (Total: 6)	
	MW 9:00am - 11:30am	ASY 1317	Lab

ARTT458 **Graphic Design; Advanced Graphic Design**

ARTT458 *(PermReq)* **Graphic Design: Advanced Graphic Design; (3 credits)**
Grade Method: REG/P-F/AUD.
Print publication and self promotion design. Students must pay a $40.00 studio lab fee.

0101	Ruth Lozner	Seats (Total: 18)	
	TuTh 12:30pm - 3:00pm	ASY 2322	Lab

ARTT489F **Advanced Special Topics in Art; Explorations in Digital Photography and Inkjet Printmaking Techniques**

ARTT489F Advanced Special Topics in Art: Explorations in Digital Photography and Inkjet Printmaking Techniques; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ARTT353 or permission of instructor. Students must pay a $40.00 studio lab fee.

0101	Barbara Tyroler	Seats (Total: 15)	
	MW 12:30pm - 3:00pm	CSS 1410	Lab

ARTT489I **Advanced Special Topics in Art; Digital Imaging**

ARTT489I *(PermReq)* **Advanced Special Topics in Art: Digital Imaging; (3 credits)** Grade Method: REG/P-F.
Prerequisite: ARTT354 or permission of instructor. Students must pay a $40.00 studio lab fee.

0101	Narendra Ratnapala	Seats (Total: 14)	
	TuTh 12:30pm - 3:00pm	ASY 3311E	Lab

ARTT489K **Advanced Special Topics in Art; Interactive Digital Practices**

ARTT489K Advanced Special Topics in Art: Interactive Digital Practices; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ARTT354 or permission of instructor. Students must pay a $40.00 studio lab fee.

0101	Brandon Morse	Seats (Total: 14)	
	TuTh 3:00pm - 5:30pm	ASY 3311E	Lab

ARTT489L **Advanced Special Topics in Art; Design Literacy-Decoding Our Visual Culture**

ARTT489L Advanced Special Topics in Art: Design Literacy-Decoding Our Visual Culture; (3 credits) Grade Method: REG/P-F/AUD.
Students must pay a $40.00 studio lab fee.

0101	Ruth Lozner	Seats (Total: 20)	
	TuTh 3:00pm - 4:15pm	ASY 2322	

ARTT489O **Advanced Special Topics in Art; Advanced Photographic and Digital Printmaking Studio**

ARTT489O *(PermReq)* **Advanced Special Topics in Art: Advanced Photographic and Digital Printmaking Studio; (3 credits)** Grade Method: REG/P-F/AUD.
Students must pay a $40.00 studio lab fee.

0101	Justin Strom	Seats (Total: 14)	
	TuTh 9:00am - 11:30am	ASY 1317	Lab

ARTT489Q **Advanced Special Topics in Art; Lens Image Theory**

ARTT489Q Advanced Special Topics in Art: Lens Image Theory; (3 credits)
Grade Method: REG/P-F/AUD.
Prerequiste: ARTT150 and Sophomore standing.

0101	John Ruppert	Seats (Total: 24)
	TuTh 9:30am - 10:45am	ASY 2314

ARTT498 **Directed Studies in Studio Art**

ARTT498 Directed Studies in Studio Art; (1-3 credits) Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ARTT498A **Directed Studies in Studio Art**

ARTT498A *(PermReq)* **Directed Studies in Studio Art; (2-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Students must pay a $40.00 studio lab fee.

Contact department for information to register for this course.

ARTT498B **Directed Studies in Studio Art**

ARTT498B *(PermReq)* **Directed Studies in Studio Art; (2-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Students must pay a $40.00 studio lab fee.

Contact department for information to register for this course.

ARTT498H **Directed Studies in Studio Art; Honors Thesis**

ARTT498H *(PermReq)* **Directed Studies in Studio Art: Honors Thesis; (2-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Students must pay a $40.00 studio lab fee.

Contact department for information to register for this course.

ARTT618 **Drawing; Drawing**

ARTT618 *(PermReq)* **Drawing: Drawing; (3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Students must pay a $60.00 studio lab fee.

Contact department for information to register for this course.

ARTT628 **Painting; Painting**

ARTT628 *(PermReq)* **Painting: Painting; (3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Students must pay a $60.00 studio lab fee.

Contact department for information to register for this course.

ARTT638 **Sculpture; Sculpture**

ARTT638 *(PermReq)* **Sculpture: Sculpture; (3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Students must pay a $60.00 studio lab fee.

Contact department for information to register for this course.

ARTT648 **Printmaking; Printmaking**

ARTT648 *(PermReq)* **Printmaking: Printmaking; (3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Students must pay a $60.00 studio lab fee.

Contact department for information to register for this course.

ARTT698A **Directed Graduate Studies in Studio Art**

ARTT698A *(PermReq)* **Directed Graduate Studies in Studio Art; (1-4 credits)**
Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Students must pay a $60.00 studio lab fee.

Contact department for information to register for this course.

ARTT698B **Directed Graduate Studies in Studio Art**

ARTT698B *(PermReq)* **Directed Graduate Studies in Studio Art; (1-4 credits)**
Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Students must pay a $60.00 studio lab fee.

Contact department for information to register for this course.

ARTT699A **Directed Graduate Studies in Studio Art**

ARTT699A *(PermReq)* **Directed Graduate Studies in Studio Art; (1-4 credits)**
Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Students must pay a $60.00 studio lab fee.

Contact department for information to register for this course.

ARTT699B **Directed Graduate Studies in Studio Art**

ARTT699B *(PermReq)* **Directed Graduate Studies in Studio Art; (1-4 credits)**
Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Students must pay a $60.00 studio lab fee.

Contact department for information to register for this course.

ARTT718 **Drawing; Drawing**

ARTT718 *(PermReq)* **Drawing: Drawing; (3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Students must pay a $60.00 studio lab fee.

Contact department for information to register for this course.

ARTT728 **Painting; Painting**

ARTT728 *(PermReq)* **Painting: Painting; (3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Students must pay a $60.00 studio lab fee.

Contact department for information to register for this course.

ARTT738 **Sculpture; Sculpture**

ARTT738 *(PermReq)* **Sculpture: Sculpture; (3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Students must pay a $60.00 studio lab fee.

Contact department for information to register for this course.

ARTT748 **Printmaking; Printmaking**

ARTT748 *(PermReq)* **Printmaking: Printmaking; (3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Students must pay a $60.00 studio lab fee.

Contact department for information to register for this course.

ARTT768 **Graduate Colloquium**

ARTT768 *(PermReq)* **Graduate Colloquium; (2 credits)** Grade Method: REG/AUD.
Students must pay a $60.00 studio lab fee.

0101	Kriston Capps	Seats (Total: 18)
	Th 6:30pm - 8:10pm	ASY 2314

ARTT798A **Directed Graduate Studies in Studio Art**

ARTT798A *(PermReq)* **Directed Graduate Studies in Studio Art; (1-4 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Students must pay a $60.00 studio lab fee.

Contact department for information to register for this course.

ARTT798B **Directed Graduate Studies in Studio Art**

ARTT798B *(PermReq)* **Directed Graduate Studies in Studio Art; (1-4 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Students must pay a $60.00 studio lab fee.

Contact department for information to register for this course.

ARTT799 **Master's Thesis Research**

ARTT799 Master's Thesis Research; (1-6 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ASTR Astronomy Spring 2009

ASTR100 **Introduction to Astronomy**

ASTR100 Introduction to Astronomy; (3 credits) Grade Method: REG/P-F/AUD. CORE Physical Science (PS) Course.
Credit for ASTR100 cannot be obtained after, or simultaneously with, receiving credit for any astronomy course numbered 250 or higher. CORE Physical Science Non-Laboratory (PS) Course. CORE Physical Science Laboratory (PL) Course when taken concurrently with ASTR 111. Credit will be granted for only one of the following: ASTR100 or ASTR101 or ASTR120. An elementary course in descriptive astronomy, especially appropriate for non-science students. Sun, moon, planets, stars and nebulae, galaxies, evolution. CORE Physical Science Non-Laboratory (PS) Course. CORE Physical Science Laboratory (PL) Course when taken concurrently with ASTR 111. Discussion sections do not meet the first week of classes. Attend lecture before coming to discussion section.

0101	Derek Richardson TuTh 9:30am - 10:45am M 9:00am - 9:50am	Seats (Total: 40) PHY 1412 CSS 2400	 Discussion
0102	Derek Richardson TuTh 9:30am - 10:45am W 9:00am - 9:50am	Seats (Total: 40) PHY 1412 CSS 2400	 Discussion

0103	Derek Richardson TuTh 9:30am - 10:45am W 1:00pm - 1:50pm	Seats (Total: 40) PHY 1412 CSS 2400	Discussion
0104	Derek Richardson TuTh 9:30am - 10:45am W 2:00pm - 2:50pm	Seats (Total: 40) PHY 1412 CSS 2400	Discussion
0105	Derek Richardson TuTh 9:30am - 10:45am F 10:00am - 10:50am	Seats (Total: 40) PHY 1412 CSS 2400	Discussion
0106	Derek Richardson TuTh 9:30am - 10:45am F 12:00pm - 12:50pm	Seats (Total: 40) PHY 1412 CSS 2400	Discussion
0201	Melissa Hayes-Gehrke MWF 9:00am - 9:50am M 10:00am - 10:50am	Seats (Total: 40) PHY 1412 CSS 2400	Discussion
0202	Melissa Hayes-Gehrke MWF 9:00am - 9:50am M 11:00am - 11:50am	Seats (Total: 40) PHY 1412 CSS 2400	Discussion
0203	Melissa Hayes-Gehrke MWF 9:00am - 9:50am M 12:00pm - 12:50pm	Seats (Total: 40) PHY 1412 CSS 2400	Discussion
0204	Melissa Hayes-Gehrke MWF 9:00am - 9:50am M 1:00pm - 1:50pm	Seats (Total: 40) PHY 1412 CSS 2400	Discussion
0205	Melissa Hayes-Gehrke MWF 9:00am - 9:50am M 2:00pm - 2:50pm	Seats (Total: 40) PHY 1412 CSS 2400	Discussion
0206	Melissa Hayes-Gehrke MWF 9:00am - 9:50am M 3:00pm - 3:50pm	Seats (Total: 40) PHY 1412 CSS 2400	Discussion

ASTR101 General Astronomy

ASTR101 General Astronomy; (4 credits) Grade Method: REG/P-F/AUD. CORE Physical Science Lab (PL) Course.
Credit for ASTR101 cannot be obtained after, or simultaneously with, receiving credit for any astronomy course numbered 250 or higher. Credit will be granted for only one of the following: ASTR100 or ASTR101 or ASTR120. Descriptive astronomy, appropriate for non-science majors. Sun, moon, planets, stars, nebulae, galaxies and evolution. Laboratory exercises include use of photographic material, computer simulations, and observing sessions if weather permits. Discussion sections and lab do not meet the first week of classes. Attend lecture before coming to discussion or lab section.

0101	Grace Deming	Seats (Total: 20)	
	TuTh 11:00am - 12:15pm Tu 6:00pm - 8:00pm Tu 3:30pm - 4:20pm	PHY 1412 CSS 1109 CSS 2400	 Lab Discussion
0102	Grace Deming	Seats (Total: 20)	
	TuTh 11:00am - 12:15pm W 8:30am - 10:30am Tu 3:30pm - 4:20pm	PHY 1412 CSS 1109 CSS 2400	 Lab Discussion
0103	Grace Deming	Seats (Total: 20)	
	TuTh 11:00am - 12:15pm W 11:00am - 1:00pm W 10:00am - 10:50am	PHY 1412 CSS 1109 CSS 2400	 Lab Discussion
0104	Grace Deming	Seats (Total: 20)	
	TuTh 11:00am - 12:15pm Th 8:30am - 10:30am W 10:00am - 10:50am	PHY 1412 CSS 1109 CSS 2400	 Lab Discussion
0105	Grace Deming	Seats (Total: 20)	
	TuTh 11:00am - 12:15pm W 6:00pm - 8:00pm W 12:00pm - 12:50pm	PHY 1412 CSS 1109 CSS 2400	 Lab Discussion
0106	Grace Deming	Seats (Total: 20)	
	TuTh 11:00am - 12:15pm Th 3:30pm - 5:30pm W 12:00pm - 12:50pm	PHY 1412 CSS 1109 CSS 2400	 Lab Discussion

0107	Grace Deming	Seats (Total: 20)	
	TuTh 11:00am - 12:15pm Th 6:00pm - 8:00pm W 3:00pm - 3:50pm	PHY 1412 CSS 1109 CSS 2400	 Lab Discussion
0108	Grace Deming	Seats (Total: 20)	
	TuTh 11:00am - 12:15pm F 10:00am - 12:00pm W 3:00pm - 3:50pm	PHY 1412 CSS 1109 CSS 2400	 Lab Discussion

ASTR121 **Introductory Astrophysics II - Stars and Beyond**

ASTR121 Introductory Astrophysics II - Stars and Beyond; (4 credits) Grade Method: REG/P-F/AUD. CORE Physical Science Lab (PL) Course.
Prerequisites: MATH115 and ASTR120, or permission of department. Not open to students who have completed ASTR200. Credit will be granted for only one of the following: ASTR121 or ASTR200. For students majoring in astronomy or with a strong interest in science. Includes instrumentation, stellar properties, stellar evolution, structure of the galaxy, other galaxies, large scale structure, Big Bang Theory, and future of the universe.

0101	Christopher Reynolds	Seats (Total: 15)	
	TuTh 11:00am - 12:15pm M 2:00pm - 4:00pm F 11:00am - 11:50am	CSS 2428 CSS 1109 CSS 2428	 Lab Discussion
0201	Christopher Reynolds	Seats (Total: 15)	
	TuTh 11:00am - 12:15pm M 11:00am - 1:00pm F 11:00am - 11:50am	CSS 2428 CSS 1109 CSS 2428	 Lab Discussion

ASTR220 **Collisions in Space**

ASTR220 Collisions in Space; (3 credits) Grade Method: REG/P-F/AUD. CORE Physical Science (PS) Course.
Not open to astronomy majors. Appropriate for non-science majors. Application of scientific method to the study of collisions in space. Impact cratering on planets and satellites. Possible implications for the Earth. Interactions between stars and galaxies. Possible effects due to supermassive black holes. Events like the 1994 comet crash on Jupiter and data from the Hubble Space Telescope will be highlighted.

0101	Melissa Hayes-Gehrke TuTh 11:00am - 12:15pm	Seats (Total: 50) CSS 2400

ASTR288 **Special Projects in Astronomy**

ASTR288 *(PermReq)* **Special Projects in Astronomy; (1-3 credits)** Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number.
A faculty sponsor must be found by the students wishing to enroll in this course.

Contact department for information to register for this course.

ASTR288C **Special Projects in Astronomy; Astronomy Research Techniques**

ASTR288C *(PermReq)* **Special Projects in Astronomy: Astronomy Research Techniques; (2 credits)** Grade Method: REG/P-F/AUD.
Department permission required.

0101	Stefan Immler, Stephen Holland Tu 3:30pm - 5:10pm	Seats (Total: 10) CSS 0201

ASTR288M **Special Projects in Astronomy; Current Events in Astronomy Research**

ASTR288M *(PermReq)* **Special Projects in Astronomy: Current Events in Astronomy Research; (1 credit)** Grade Method: REG/P-F/AUD.
Department permission required.

0101	Stuart Vogel M 4:00pm - 4:50pm	Seats (Total: 10) CSS 0201

ASTR300 **Stars and Stellar Systems**

ASTR300 Stars and Stellar Systems; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisites: ASTR100 or ASTR101 and completion of CORE Distributive Studies requirement in Mathematics and Sciences or permission of department.* Designed primarily for non-science majors. Study of stars-types, properties, evolution, and distribution in space; supernovae, pulsars, and black holes.

0101	James Harrington TuTh 9:30am - 10:45am	Seats (Total: 40) CSS 2428

ASTR320 **Theoretical Astrophysics**

ASTR320 Theoretical Astrophysics; (3 credits) Grade Method: REG/P-F. *Prerequisites: ASTR121; PHYS273 or PHYS270 and PHYS271 (Formerly PHYS23); or permission of department.* Application of selected physics concepts in an astrophysical context. Topics would include gravity (Keplerian motion, Virial theorem, Roche limit, dynamical friction); gas dynamics (hydrostatic equilibrium, stellar models, spiral density waves), thermodynamics and statistical physics (Boltzmann distribution, Wien displacement, convective instability, degenerate gas); atomic physics (quantum principles, H atom, permitted and forbidden lines); radiation processes (line radiation, opacity).

0101	Eve Ostriker	Seats (Total: 20)	
	TuTh 2:00pm - 3:15pm	CSS 2428	
	M 2:00pm - 2:50pm	CSS 0201	Discussion

ASTR330 **Solar System Astronomy**

ASTR330 Solar System Astronomy; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisites: ASTR100 or ASTR101 and completion of CORE Distributive Studies requirement in Mathematics and Sciences or permission of department.* Designed primarily for non-science majors. The structure of planets and of their atmospheres, the nature of comets, asteroids, and satellites. Comparison of various theories for the origin of the solar system. Emphasis on a description of recent data and interpretation. Designed primarily for non-physical science majors. Junior standing.

0101	Alan Peel	Seats (Total: 50)
	TuTh 12:30pm - 1:45pm	CSS 2400

ASTR340 **Origin of the Universe**

ASTR340 Origin of the Universe; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisites: ASTR100 or ASTR101 and completion of the CORE Distributive Studies requirement in Mathematics and the Sciences or permission of department.* Designed primarily for non-science majors. A study of our progression of knowledge about the universe. Topics include: early cosmological models, geocentric vs. heliocentric theory, curvature of space, Hubble's Law, Big Bang Theory, microwave background radiation, evolution of stars and galaxies, dark matter, active galaxies, quasars and the future of the universe.

0101	Andrew Harris	Seats (Total: 50)
	TuTh 2:00pm - 3:15pm	CSS 2400

ASTR380 **Life in the Universe - Astrobiology**

ASTR380 Life in the Universe - Astrobiology; (3 credits) Grade Method: REG/AUD.
Prerequisites: ASTR100 or ASTR101 and completion of CORE Distributive Studies requirement in Mathematics and Sciences or permission of department. Designed primarily for non-science majors. Study of the astronomical perspective on the conditions for the origin and existence of life in the universe.

0101	Lee Mundy	Seats (Total: 50)
	TuTh 9:30am - 10:45am	CSS 2400

ASTR399 **Honors Seminar**

ASTR399 *(PermReq)* **Honors Seminar; (1-16 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ASTR415 **Computational Astrophysics**

ASTR415 Computational Astrophysics; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: permission of department. Recommended: computer programming knowledge. For ASTR majors only. Credit will be granted for only one of the following: ASTR498C or ASTR415. Formerly ASTR498C. Introduction to the most important computational techniques being used in research in astrophysics. Topics include modern high performance computer architectures, scientific visualization and data analysis, and detailed descriptions of numerical algorithms for the solution to a wide range of mathematical systems important in astrophysics.

0101	Massimo Ricotti	Seats (Total: 20)
	TuTh 12:30pm - 1:45pm	CSS 2428

ASTR421 **Galaxies**

ASTR421 Galaxies; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisites: ASTR121, PHYS270, and PHYS271 (Formerly PHYS263) or PHYS273. For ASTR majors only. Credit will be granted for only one of the following: ASTR421 or ASTR498G. Formerly ASTR498G. Introduction to structure, kinematics, and dynamics of normal and peculiar galaxies. Quantitative descriptions of normal spiral galaxies (like our Milky Way) and elliptical galaxies will be followed by more exotic considerations such as interacting and merging galaxies, and active galactic nuclei.

0101	Kip Kuntz	Seats (Total: 20)
	TuTh 11:00am - 12:15pm	CSS 0201

ASTR498 **Special Problems in Astronomy**

ASTR498 *(PermReq)* **Special Problems in Astronomy; (1-6 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ASTR670 **Interstellar Medium and Gas Dynamics**

ASTR670 Interstellar Medium and Gas Dynamics; (3 credits) Grade Method: REG/AUD.
Prerequisite: ASTR 601 or permission of department. Content of phases of the interstellar medium: physical processes in the ISM: ionization equilibrium, heating and cooling, interstellar dust; gas dynamics: fluid motions, instabilities, shock waves; magnetohydrodynamics.

0101	Alberto Bolatto	Seats (Total: 20)
	TuTh 2:00pm - 3:15pm	CSS 0201

ASTR680 **High Energy Astrophysics**

ASTR680 High Energy Astrophysics; (3 credits) Grade Method: REG/AUD.
Permission by department.. Formerly ASTR688M. The structure, formation, and astrophysics of compact objects, such as white dwarfs, neutron stars, and black holes, are examined.

0101	Michael Miller	Seats (Total: 20)
	TuTh 12:30pm - 1:45pm	CSS 0201

ASTR695 **Introduction to Research**

ASTR695 Introduction to Research; (1 credit) Grade Method: S-F.
Provides an introduction to research programs in the Department of Astronomy and a forum to explore possible research projects. Aimed at incoming graduate students.

0101	Michael Miller	Seats (Total: 20)
	M 5:00pm - 6:00pm	CSS 0201

ASTR699 **Special Problems in Advanced Astronomy**

ASTR699 *(PermReq)* **Special Problems in Advanced Astronomy; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ASTR788 **Selected Topics in Modern Astronomy**

ASTR788 *(PermReq)* **Selected Topics in Modern Astronomy; (1-3 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ASTR799 **Master's Thesis Research**

ASTR799 Master's Thesis Research; (1-6 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ASTR898 **Pre-Candidacy Research**

ASTR898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ASTR899 **Doctoral Dissertation Research**

ASTR899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

BCHM Biochemistry Spring 2009

BCHM461 Biochemistry I

The College of Chemical and Life Sciences enforces course prerequisites. Students who do not meet the course prerequisites will be administratively dropped from the course.
Registration in course sections which begin with "SES*" are restricted to Post-Baccalaureate students who enroll through the Science in the Evening Program in the College of Chemical and Life Sciences. Please note that this class is charged at the regular part-time tuition rate (on a per credit basis), even for full- time students. To register or to learn more about the Science in the Evening program, you must contact the Life Sciences Outreach and Special Programs Office at (301)405-6892.
BCHM461 Biochemistry I; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: {CHEM271 and CHEM272} or {CHEM276 and CHEM277} or {CHEM113 and CHEM241 and CHEM242}. A grade of C (2.0) or better is required in all prerequisites. Not open to students who have completed BCHM261 or BCHM463. Credit will be granted for only one of the following: BCHM261, BCHM461, or BCHM463.* First semester of a comprehensive introduction to modern biochemistry. Structure, chemical properties, and function of proteins and enzymes, carbohydrates, lipids, and nucleic acids. Basic enzyme kinetics and catalytic mechanisms.

0101	Michael Montague-Smith TuTh 9:30am - 10:45am	Seats (Total: 119) CHM 1402
0102	Vitali Tugarinov TuTh 12:30pm - 1:45pm	Seats (Total: 110) CHM 1402

BCHM462 Biochemistry II

BCHM462 Biochemistry II; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: BCHM461. A grade of C or better in the prerequisite is required for Life Science majors and recommended for all students. Not open to students who have completed BCHM463. Credit will be granted for only one of the following: BCHM462 or BCHM463.* A continuation of BCHM 461. Metabolic pathways and metabolic regulation, energy transduction in biological systems, enzyme catalytic mechanisms.

0101	Steven Rokita TuTh 12:30pm - 1:45pm	Seats (Total: 90) HJP 2242
0201	Douglas Julin MWF 11:00am - 11:50am	Seats (Total: 98) CHM 0115

BCHM463 **Biochemistry of Physiology**

BCHM463 Biochemistry of Physiology; (3 credits) Grade Method: REG/AUD. *Prerequisite: {CHEM271 and CHEM272} or {CHEM276 and CHEM277} or {CHEM113 and CHEM241 and CHEM242}. A grade of C (2.0) or better is required in all prerequisites. Not open to students who have completed BCHM461 or BCHM462. Credit will be granted for only one of the following: BCHM463 or {BCHM461 or BCHM462}.* A one-semester introduction to general biochemistry. A study of protein structure, enzyme catalysis, metabolism, and metabolic regulation with respect to their relationship to physiology.

0101	Soheila Ebrahimian MWF 11:00am - 11:50am	Seats (Total: 125) CHM 1402
SES1	Soheila Ebrahimian M 6:30pm - 9:30pm	Seats (Total: 35) PLS 1111
	This section is restricted to students who enroll through the Science i Evening program. Please visit http://professionalstudies.umd.edu/sie/ for complete program details including program eligibility information, tuition and fee information and registration instructions. This section may not be added on Testudo.	

BCHM464 **Biochemistry Laboratory**

BCHM464 Biochemistry Laboratory; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: BCHM461 or BCHM463. A grade of C or better in the prerequisite is required for Life Science majors and recommended for all students. Corequisite: BCHM465. BCHM, CHEM and Nutritional Sciences majors have first priority, followed by other life science majors.* Biochemical and genetic methods for studying protein function. Site-directed mutagenesis and molecular cloning, protein purification, enzyme activity assays, computer modeling of protein structure. Students must pay a $40.00 Laboratory Materials fee.

0101	Soheila Ebrahimian Tu 12:30pm - 1:20pm Th 12:30pm - 5:20pm	Seats (Total: 18) CHM 1228 CHM 2225	 Lab
0102	Soheila Ebrahimian Tu 12:30pm - 1:20pm W 1:00pm - 6:00pm	Seats (Total: 18) CHM 1228 CHM 2225	 Lab

BCHM465 **Biochemistry III**

BCHM465 Biochemistry III; (3 credits) Grade Method: REG/P-F/AUD. CORE Capstone (CS) Course.
Prerequisite: BCHM461 or BCHM463. A grade of C or better in the prerequisite is required for Life Science majors and recommended for all students. Corequisite: BCHM464. Recommended: BCHM462. CORE Capstone (CS) Course. An advanced course in biochemistry. Biochemical approach to cellular information processing. DNA and RNA structure. DNA replication, transcription, and repair. Translation of mRNA to make proteins.

0101	Theodore Dayie MWF 12:00pm - 12:50pm	Seats (Total: 70) CHM 0115	

BCHM485 **Physical Biochemistry**

BCHM485 Physical Biochemistry; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: A grade of C or better is required in CHEM481. For BCHM majors only. Credit will be granted for only one of the following: CHEM482 or BCHM485.* The application of physical chemistry to biological systems. Principal topics: statistical mechanics, transport processes in liquid phase, chemical and biochemical kinetics, modeling and simulation, polymer dynamics.

0101	David Fushman	Seats (Total: 40)
	TuTh 9:30am - 10:45am	CHM 2201

BCHM675 **Biophysical Chemistry**

BCHM675 Biophysical Chemistry; (3 credits) Grade Method: REG/AUD. *Prerequisites: BCHM 461 and CHEM 481 or equivalent.* Conformation, shape, structure, conformational changes, dynamics and interactions of biological macromolecules and complexes or arrays of macromolecules. Physical techniques for studying properties of biological macromolecules.

0101	Dorothy Beckett	Seats (Total: 25)
	TuTh 8:00am - 9:15am	CHM 1228

BCHM676 **Biological Mass Spectrometry**

BCHM676 Biological Mass Spectrometry; (3 credits) Grade Method: REG/AUD. *Prerequisite: BCHM461 or BCHM463. Formerly BCHM669B.* Fundamentals of modern mass spectrometry and use with biochemical techniques to provide unique analyses of drug metabolites, lipids, carbohydrates, nucleotides and proteins. The interface with bioinformatics will be examined, which provides the foundation of proteomics. Also offered as BIOE689B and CHEM699A.

0101	Catherine Fenselau	Seats (Total: 30)
	TuTh 12:30pm - 1:45pm	CHM 1224

BCHM699 **Special Problems in Biochemistry**

BCHM699 Special Problems in Biochemistry; (1-6 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Open only to non-thesis M.S. degree candidates.

Contact department for information to register for this course.

BCHM799 **Master's Thesis Research**

BCHM799 Master's Thesis Research; (1-6 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

BCHM889A **Seminar; Biochemistry**

BCHM889A Seminar: Biochemistry; (1-3 credits) Grade Method: REG/AUD.

0101	Nicole LaRonde	Seats (Total: 35)
	Tu 11:00am - 11:50am	CHM 1224

BCHM889B **Seminar**

BCHM889B Seminar; (1-3 credits) Grade Method: REG/AUD.
Formerly: BCHM889H.

0101	Instructor: TBA	Seats (Total: 10)
	Contact instructor or department for details.	

BCHM889D **Seminar; Enzymology of Recombination**

BCHM889D *(PermReq)* **Seminar: Enzymology of Recombination; (1 credit)** Grade Method: REG/AUD.

0101	Douglas Julin	Seats (Total: 5)
	Contact instructor or department for details.	

BCHM889F **Seminar; Bacterial Spores**

BCHM889F *(PermReq)* **Seminar: Bacterial Spores; (1 credit)** Grade Method: REG/AUD.

0101	Instructor: TBA	Seats (Total: 5)
	Contact instructor or department for details.	

BCHM889G **Seminar; Biological Mass Spectrometry**

BCHM889G *(PermReq)* **Seminar: Biological Mass Spectrometry; (1 credit)** Grade Method: REG/AUD.

0101	Catherine Fenselau	Seats (Total: 5)
	Contact instructor or department for details.	

BCHM889M **Seminar**

BCHM889M Seminar; (1-3 credits) Grade Method: REG/AUD.

0101	David Fushman	Seats (Total: 10)
	Contact instructor or department for details.	

BCHM898 **Pre-Candidacy Research**

BCHM898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

BCHM899 **Doctoral Dissertation Research**

BCHM899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

BEES Behavior, Ecology, Evolution and Systematics — Spring 2009

BEES608P **Seminar in Behavior, Ecology, Evolution and Systematics; Paleobiology**

BEES608P Seminar in Behavior, Ecology, Evolution and Systematics: Paleobiology; (2 credits) Grade Method: REG/AUD.

0101	Michele Dudash	Seats (Total: 15)
	F 10:00am - 12:00pm	BPS 2249

BEES799 **Master's Thesis Research**

BEES799 *(PermReq)* **Master's Thesis Research; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

BEES898 **Pre-Candidacy Research**

BEES898 *(PermReq)* **Pre-Candidacy Research; (1-8 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

BEES899 **Doctoral Dissertation Research**

BEES899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

BIOE Bioengineering Spring 2009

BIOE121 **Biology for Engineers Laboratory**

BIOE121 *(PermReq)* **Biology for Engineers Laboratory; (1 credit)** Grade Method: REG/P-F/AUD.
For BIOE majors only. This course will build on the material covered in BIOE120. Experiments conducted in this laboratory course will cover topics such as biomechanical principles, biochemical methods, genetics and selection, scaling, microcosm interactions, human factors and imaging.

0101	Jose Aranda-Espinoza	Seats (Total: 30)	
	M 8:00am - 8:50am	CHE 2136	Lab
	W 8:00am - 9:30am	CHE 1145	Lab

BIOE150 **Applied Ethics and Public Policy in Bioengineering**

BIOE150 Applied Ethics and Public Policy in Bioengineering; (3 credits) Grade Method: REG. CORE Behavioral and Social Science (SB) Course.
Also offered as HONR288L. Credit will be granted for only one of the following: BIOE150 or HONR288L. Students learn about medical devices such as heart valves and artificial hearts. Government requirements for clinical testing and the obligations that physicians, manufacturers, FDA and Congress have to patients are discussed.

0101	Glenn Rahmoeller	Seats (Total: 20)	
	W 2:00pm - 4:30pm	EGR 1110	

BIOE241 **Biocomputational Methods**

BIOE241 *(PermReq)* **Biocomputation Methods; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: permission of department. Credit will be granted for only one of the following: BIOE241 or ENBE241. Formerly ENBE241. Application of computer technology to biological and natural resource systems considering engineering aspects. Designed to help students in the use of computer technology for problem solving. The course will cover 4-5 software packages important for later use by the student.

0101	Hubert Montas MWF 5:00pm - 5:50pm	Seats (Total: 25) KEB 2107	
0201	Hubert Montas MWF 4:00pm - 4:50pm	Seats (Total: 25) KEB 2107	

BIOE332 **Transport Process Design**

BIOE332 Transport Process Design; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: MATH241 and MATH246. Credit will be granted for only one of the following: ENBE454, ENBE603, or BIOE332. Formerly ENBE454. Fluid flow, heat transfer, and mass transfer with applications in medicine, environment, biotechnology, food, agriculture, and other biosystems. Design of solutions to current problems in biological engineering is emphasized.

0101	Arthur Johnson TuTh 2:00pm - 3:15pm Tu 3:30pm - 4:20pm	Seats (Total: 25) ANS 0422 ANS 0422	 Lab
0102	Arthur Johnson TuTh 2:00pm - 3:15pm Th 3:30pm - 4:20pm	Seats (Total: 25) ANS 0422 ANS 0422	 Lab

BIOE399 **Independent Study in Bioengineering**

BIOE399 *(PermReq)* **Independent Study in Bioengineering; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: Permission of department.

Contact department for information to register for this course.

BIOE404 **Biomechanics**

BIOE404 Biomechanics; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: BIOE120 and BIOE121. For BIOE majors only. Introduction to the fundamentals of biomechanics including force analysis, mechanics of deformable bodies, stress and strain, multiaxial deformations, stress analysis, and viscoelasticity. Biomechanics of soft and hard tissues.

0101	Adam Hsieh MWF 10:00am - 10:50am	Seats (Total: 50) CSS 2428

BIOE411 **Tissue Engineering**

BIOE411 Tissue Engineering; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: at least one biology course and MATH241. Recommended: BSCI330 and BIOE340. A review of the fundamental principles involved in the design of engineered tissues and organs. Both biological and engineering fundamentals will be considered.

0101	John Fisher M 2:00pm - 4:30pm	Seats (Total: 49) CHE 2118

BIOE415 **Bioengineering of Exercise Response**

BIOE415 Bioengineering of Exercise Response; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: MATH246 or permission of department. Credit will be granted for only one of the following: BIOE415 or ENBE415. Formerly ENBE415. Exercise physiology in quantitative terms. Modeling and prediction of cardiovascular, respiratory, thermoregulatory, biomechanical, and metabolic aspects of human exercise responses.

0101	Jafar Vossoughi Tu 6:00pm - 8:30pm	Seats (Total: 35) ANS 0422

BIOE420 **Bioimaging**

BIOE420 Bioimaging; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: BIOE120, BIOE121, and MATH246. For BIOE majors only. Examines the physical principles behind major biomedical imaging modalities and new ways of using images for bio-related applications.

0101	Yu Chen	Seats (Total: 45)
	MW 11:00am - 12:30pm	ANS 0412

BIOE453 **Biomaterials**

BIOE453 *(PermReq)* **Biomaterials; (3 credits)** Grade Method: REG/P-F/AUD.
Credit will be granted for only one of the following: ENBE453, BIOE453 or ENMA425. Formerly ENBE453. Examination of the structure and function of natural biomaterials, and cell-extracellular matrix interactions. Study physical properties of synthetic biomaterials for biomedical applications. Understanding molecular level interactions between biomolecules and biomaterials to design novel biomaterials with desirable characteristics. Application of biomaterials as implants, drug delivery systems, biosensors, engineered materials such as artificial skin and bone growth scaffolds will be covered. Also offered as ENMA425.

0101	Joonil Seog	Seats (Total: 60)
	TuTh 11:00am - 12:15pm	ANS 0422

BIOE454 **Biomaterials Laboratory**

BIOE454 *(PermReq)* **Biomaterials Laboratory; (1 credit)** Grade Method: REG/P-F/AUD.
Prerequisite: CHEM231 and CHEM232. Corequisite: BIOE453. Recommended: ENES220. Hands-on experience with measurements of bulk and surface properties of biological materials, synthesis of hydrogel, surface patterning using soft lithography technique, and preparation of 3D agarose matrix of cell culture. The topics cover measurements of tensile strength, hardness, and impact strength of the biomaterials, swelling and transport behavior of hydrogel, patterning silicon substrate using self-assembled monolayer, and cell-biomaterials interactions in scaffold biomaterials.

0101	Joonil Seog	Seats (Total: 30)
	Th 8:30am - 10:50am	KEB 1135

0102	Joonil Seog	Seats (Total: 20)
	Tu 8:30am - 10:50am	KEB 1135

BIOE484 **Engineering in Biology**

BIOE484 Engineering in Biology; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: MATH221 or MATH141; PHYS141 or PHYS161; CHEM103 or higher; or permission of department. Recommended: BIOE454. Credit will be granted for only one of the following: BIOE484 or ENBE484. Formerly ENBE484.* Engineering with biological systems, with emphasis on utilization, design, and modeling. Broad topics include differences between biological engineering and biological science; basic sciences and how they relate to biology; typical biological responses to environmental stimuli; scaling, and utilization of living things.

0101	Arthur Johnson	Seats (Total: 50)
	TuTh 9:30am - 10:45am	PLS 1140

BIOE486 **Capstone Design II**

BIOE486 *(PermReq)* **Capstone Design II; (3 credits)** Grade Method: REG/P-F/AUD. CORE Capstone (CS) Course. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: BIOE485 taken in the immediately preceding semester. Senior standing. For BIOE majors only. Credit will be granted for only one of the following: BIOE486 or ENBE486. Formerly ENBE486. This is the second part of the senior capstone design course. This part is independent instruction where faculty mentoring each project team works with students to order supplies, fabricate their proposed design under BIOE485, test the design, write the report and present it to their fellow seniors and board of faculty mentors. Students are taught to convert the blue print of a design to actual device and test it.

Contact department for information to register for this course.

BIOE603 **Electrophysiology of the Cell**

BIOE603 Electrophysiology of the Cell; (3 credits) Grade Method: REG/AUD. Introduction to the electrophysiology of the cell membrane. Development of mathematical models of different types of ionic membrane currents and fluid compartment models, culminating in the development of functional whole-cell models for neurons and muscle (cardiac, skeletal and smooth muscle) cells. Characterization of volume conductor boundary value problems encountered in electrophysiology consisting of the adequate description of the bioelectric current source and the volume conductor (surrounding tissue) medium. For BIOE majors only.

0101	Sameer Shah	Seats (Total: 20)
	TuTh 9:30am - 10:45am	EGR 2116

BIOE604 **Cellular and Physiological Transport Phenomena**

BIOE604 Cellular and Physiological Transport Phenomena; (3 credits) Grade Method: REG.
Prerequisite: BIOE332. A study of transport processes, including momentum, energy and mass transport, relevant to biosystems at various scales from physiological to cellular systems. Transport leads to sets of partial differential equations and the course revolves around approaches to solving these equations to arrive at fundamental understanding of the physics of transport in biosystems.

0101	Keith Herold	Seats (Total: 18)
	TuTh 11:00am - 12:15pm	EGR 2116

BIOE606 **Laboratory Rotations II**

BIOE606 Laboratory Rotations II; (1 credit) Grade Method: REG/AUD.
For BIOE majors only. Provide students with the opportunity to experience different laboratory environments. Students gain exposure to graduate research, learn awide variety of laboratory techniques, become familiar with BIOE faculty, and develop insight into personal research interests and direction. Laboratory rotations are required in the Fall and Spring of the first year of the Ph.D. program. BIOE605: Laboratory Rotations 1 will be held in the Fall semester; BIOE606: Laboratory Rotations 2 will be held in the Spring semester.

0101	Peter Kofinas	Seats (Total: 15)
	F 11:00am - 11:50am	Location: TBA

BIOE608 **Bioengineering Seminar Series**

BIOE608 Bioengineering Seminar Series; (1 credit) Grade Method: REG/AUD.
For BIOE majors only.

0101	Adam Hsieh	Seats (Total: 20)
	F 11:00am - 11:50am	CHE 2110

BIOE611 **Tissue Engineering**

BIOE611 Tissue Engineering; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: At least one biology course and MATH241. Recommended: BSCI330 and BIOE340. Credit will be granted for only one of the following: BIOE611 or BIOE689T. Formerly BIOE689T. A review of the fundamental principles involved in the design of engineered tissues and organs. Both biological and engineering fundamentals will be considered. We recommend one advanced Biology course and one advanced Engineering Ma th course.

0101	John Fisher	Seats (Total: 49)
	M 2:00pm - 4:30pm	CHE 2118

BIOE631 **Modeling Flow Through Porous Media**

BIOE631 Modeling Flow Through Porous Media; (3 credits) Grade Method: REG/AUD.
Recommendation: Background in fluid mechanics and strong math (at least differential equations).

0101	Adel Shirmohammadi	Seats (Total: 18)
	TuTh 12:30pm - 1:45pm	EGR 3111

BIOE689 **Special Topics in Bioengineering**

BIOE689 Special Topics in Bioengineering; (1-3 credits) Grade Method: REG.
Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

BIOE689B **Special Topics in Bioengineering; Biological Mass Spectrometry**

BIOE689B Special Topics in Bioengineering: Biological Mass Spectrometry; (3 credits) Grade Method: REG.
Also offered as BCHM676 and CHEM699A. Recommended that students have a m odest amount of formal biochemistry instrcution.

0101	Catherine Fenselau	Seats (Total: 30)
	TuTh 12:30pm - 1:45pm	CHM 1224

BIOE689Z **Special Topics in Bioengineering; Biosensor Techniques**

BIOE689Z Special Topics in Bioengineering: Biosensor Techniques; (3 credits) Grade Method: REG.
Also offered as CHPH718Z.

0101	Ian White	Seats (Total: 20)
	MWF 10:00am - 10:50am	CHE 2145

BIOE799 **Master's Thesis Research**

BIOE799 Master's Thesis Research; (1-6 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

BIOE898 **Pre-Candidacy Research**

BIOE898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

BIOE899 **Doctoral Dissertation Research**

BIOE899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

BIOL600 **Ethics in Scientific Research**

BIOL600 *(PermReq)* **Ethics in Scientific Research; (2 credits)** Grade Method: REG. *Prerequisite: Completion of at least one year of graduate study. For LFSC majors only. Credit will be granted for only one of the following: BIOL 600 or ZOOL 600. Formerly ZOOL600.* Issues of sceintific integrity with emphasis on investigators in the laboratory sciences, including mentoring, scientific record keeping, authorship and peer review, ownership of data, use of animals and humans in research, and conflict of interest. Also offered as NACS600 and PSYC788B.

0101	Arthur Popper, Philip DeShong W 3:00pm - 5:00pm	Seats (Total: 16) BPS 2249
0201	Jane Clark, Robert Dooling W 3:00pm - 5:00pm	Seats (Total: 16) BPS 1142

BIOL608B **Biology Seminar; Seminar in Behavior Ecology**

BIOL608B *(PermReq)* **Biology Seminar: Seminar in Behavior Ecology; (1 credit)** Grade Method: REG.

0101	Gerald Borgia Contact instructor or department for details.	Seats (Total: 10)

BIOL608C **Biology Seminar; Active Learning in College Level Science Class Seminar**

BIOL608C Biology Seminar: Active Learning in College Level Science Class Seminar; (1 credit) Grade Method: REG.
This course will meet every other Wed from 4-5:50 in PLS 1158.

0101	William Higgins Contact instructor or department for details.	Seats (Total: 15)

BIOL608L **Biology Seminar; Behavioral Ecology Research**

BIOL608L Biology Seminar: Behavioral Ecology Research; (1 credit) Grade Method: REG.
Students registering for this course must also register concurrently for BIOL608B.

0101	Gerald Borgia Contact instructor or department for details.	Seats (Total: 5)

BIOL608M **Biology Seminar; Cellular Mechanisms of Cortical Plasticity**

BIOL608M Biology Seminar: Cellular Mechanisms of Cortical Plasticity; (1-2 credits) Grade Method: REG.

0101	Hey-Kyoung Lee	Seats (Total: 10)
	Tu 1:30pm - 3:30pm	BPS 2249

BIOL608P **Biology Seminar; Evolutionary Ecology of Plants**

BIOL608P Biology Seminar: Evolutionary Ecology of Plants; (2 credits) Grade Method: REG.

0101	Michele Dudash	Seats (Total: 10)
	Contact instructor or department for details.	

BIOL608Q **Biology Seminar; Readings in Neurophysiology**

BIOL608Q *(PermReq)* **Biology Seminar: Readings in Neurophysiology; (1 credit)** Grade Method: REG.

0101	Elizabeth Quinlan	Seats (Total: 10)
	Contact instructor or department for details.	

BIOL609 **Special Problems in Biology**

BIOL609 Special Problems in Biology; (1-6 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

BIOL651 **Physical Chemistry for Biologists**

BIOL651 Physical Chemistry for Biologists; (3 credits) Grade Method: REG/AUD. *Prerequisite: BIOL 230 or equivalent.* Mechanistic and quantitative aspects of chemical and physical processes, including diffusion, ligand-receptor binging, DNA melting, sedimentation, redox reactions, kinetics, fluorescence, osmosis and electrophoresis. Click here for the on-line syllabus.

0101	Marco Colombini	Seats (Total: 10)
	MW 2:00pm - 3:15pm	BPS 1238

BIOL708A **Advanced Topics in Biology; Cell Biology**

BIOL708A Advanced Topics in Biology: Cell Biology; (3 credits) Grade Method: REG.

0101	Byrn Quimby	Seats (Total: 12)
	TuTh 11:00am - 12:15pm	PLS 1140

BIOL708E **Advanced Topics in Biology; Evolutionary Genetics**

BIOL708E Advanced Topics in Biology: Evolutionary Genetics; (3 credits) Grade Method: REG.

0101	Charles Fenster	Seats (Total: 10)
	W 12:00pm - 2:50pm	BPS 1230

BIOL708J **Advanced Topics in Biology; Genomic Approaches in Population & Evol. Biology**

BIOL708J Advanced Topics in Biology: Genomic Approaches in Population & Evol. Biology; (3 credits) Grade Method: REG.

0101	Thomas Kocher	Seats (Total: 20)
	Contact instructor or department for details.	

BIOL708M **Advanced Topics in Biology; Mammalian Physiology**

BIOL708M Advanced Topics in Biology: Mammalian Physiology; (3 credits) Grade Method: REG.

0101	Ricardo Araneda, William Higgins	Seats (Total: 20)
	MWF 9:00am - 9:50am	SKN 0200

BIOL708O **Advanced Topics in Biology; Cell Biology from a Biophysical Perspective**

BIOL708O Advanced Topics in Biology: Cell Biology from a Biophysical Perspective; (3 credits) Grade Method: REG.

0101	Sergei Sukharev	Seats (Total: 9)
	TuTh 3:30pm - 4:45pm	PLS 1180

BIOL708W **Advanced Topics in Biology; Animal Communication**

BIOL708W Advanced Topics in Biology: Animal Communication; (3 credits) Grade Method: REG.

0101	Gerald Wilkinson	Seats (Total: 10)
	TuTh 11:00am - 12:15pm	PLS 1130

BIOL799 **Master's Thesis Research**

BIOL799 Master's Thesis Research; (1-6 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

BIOL898 **Pre-Candidacy Research**

BIOL898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

BIOL899 **Doctoral Dissertation Research**

BIOL899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

BIOM Biometrics Spring 2009

BIOM301 **Introduction to Biometrics**

BIOM301 Introduction to Biometrics; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: MATH113 or MATH115. Credit will be granted for only one of the following: BIOM301, BMGT230, ECON321, EDMS451, GEOG305, GVPT422, PSYC200, or SOCY201.* Descriptive statistics, introduction to probability, sampling, confidence interval estimation, hypothesis testing, simple regression and correlation. Emphasis on simple applications of statistical techniques and interpretation of statistical results.

0101	Christine Hakenkamp TuTh 12:30pm - 1:20pm M 9:00am - 9:50am	Seats (Total: 25) BPS 1250 ANS 0473	 Discussion
0102	Christine Hakenkamp TuTh 12:30pm - 1:20pm M 10:00am - 10:50am	Seats (Total: 25) BPS 1250 ANS 0473	 Discussion
0103	Christine Hakenkamp TuTh 12:30pm - 1:20pm M 11:00am - 11:50am	Seats (Total: 25) BPS 1250 ANS 0473	 Discussion
0104	Christine Hakenkamp TuTh 12:30pm - 1:20pm Tu 8:30am - 9:20am	Seats (Total: 25) BPS 1250 ANS 0473	 Discussion
0105	Christine Hakenkamp TuTh 12:30pm - 1:20pm Tu 9:30am - 10:20am	Seats (Total: 25) BPS 1250 ANS 0473	 Discussion
0106	Christine Hakenkamp TuTh 12:30pm - 1:20pm Tu 11:00am - 11:50am	Seats (Total: 25) BPS 1250 ANS 0473	 Discussion
SG91	Christine Hakenkamp M 9:00am - 9:50am W 12:00pm - 12:50pm M 10:00am - 10:50am *Registration is restricted to Biological Sciences- Shady Grove majors.*	Seats (Total: 35) SGII 3052 SGII 3052 SG3 2211	 Discussion

BIOM602 **Biostatistics II**

BIOM602 Biostatistics II; (4 credits) Grade Method: REG/AUD.
Prerequisites: BIOM 601 or (BIOM 402 and BIOM 405). Also offered as AGRO 804.
The principles of experimental design and analysis of variance and covariance.

0101	Bahram Momen TuTh 2:00pm - 3:15pm Tu 3:30pm - 5:30pm	Seats (Total: 25) ANS 0408 ANS 0473	 Lab

0102	Bahram Momen	Seats (Total: 25)	
	TuTh 2:00pm - 3:15pm	ANS 0408	
	Th 3:30pm - 5:30pm	ANS 0473	Lab

BIOM688A **Topics in Biometrics; Consulting Experience in Biometrics**

BIOM688A Topics in Biometrics: Consulting Experience in Biometrics; (1-3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

BIOM688E **Topics in Biometrics; Computational and Statistical Genomics**

BIOM688E Topics in Biometrics: Computational and Statistical Genomics; (1-3 credits) Grade Method: REG/AUD.

0101	Jiuzhou Song	Seats (Total: 20)
	MW 4:00pm - 5:15pm	ANS 0402

BIOM698 **Special Problems in Biometrics**

BIOM698 Special Problems in Biometrics; (1-3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

BMGT Business and Management Spring 2009

BMGT110 **Introduction to Business and Management**

BMGT110 Introduction to Business and Management; (3 credits) Grade Method: REG/P-F/AUD. CORE Interdisciplinary & Emerging Issues (IE) Course.
Not open to BMGT students who have completed 56 or more credit hours. All others may take it anytime. A survey of the field of business, including its environment, organization, overall and functional management and current issues and developments.

0101	Jeff Miller	Seats (Total: 250)
	TuTh 3:30pm - 4:45pm	VMH 1524

BMGT198F **Special Topics in Business and Management; Freshman Fellows Colloquium**

BMGT198F *(PermReq)* **Special Topics in Business and Management: Freshman Fellows Colloquium; (1 credit)** Grade Method: REG.

FP02	Hugh Turner M 9:30am - 10:45am *Restricted to Freshman Fellows (FPFF).*	Seats (Total: 40) VMH 2203
FP03	Anirudha Roy Chowdhury, Brian Nelson W 9:30am - 10:45am *Restricted to Freshman Fellows (FPFF).*	Seats (Total: 40) VMH 2203
FP04	Hugh Turner M 3:30pm - 4:45pm *Restricted to Freshman Fellows (FPFF).*	Seats (Total: 40) VMH 2203
FP05	Gary Cohen M 2:00pm - 3:15pm *Restricted to Freshman Fellows (FPFF).*	Seats (Total: 40) VMH 2203
FP06	Gary Cohen Tu 2:00pm - 3:15pm *Restricted to Freshman Fellows (FPFF).*	Seats (Total: 40) VMH 2203
FP07	Hugh Turner W 3:30pm - 4:45pm *Restricted to Freshman Fellows (FPFF).*	Seats (Total: 40) VMH 2203
FP08	Gary Cohen Th 2:00pm - 3:15pm *Restricted to Freshman Fellows (FPFF).*	Seats (Total: 40) VMH 2203
FP09	Gary Cohen W 2:00pm - 3:15pm *Restricted to Freshman Fellows (FPFF).*	Seats (Total: 45) VMH 1335

BMGT201 **Introduction to Business Computing**

BMGT201 Introduction to Business Computing; (3 credits) Grade Method: REG.
Not open to computer science students. 24 semester hours. For BMGT majors only.
Basic literacy course using common business computer-based applications. Considers the use of computing applications such as Microsoft Excel, Access and PowerPoint in problem solving. This course is restricted to BMGT majors with 24 credit hours completed.

0101	Eylem Koca TuTh 2:00pm - 3:15pm	Seats (Total: 40) VMH 1311	

BMGT220 **Principles of Accounting I**

BMGT220 Principles of Accounting I; (3 credits) Grade Method: REG.
Basic theory and techniques of contemporary financial accounting. Includes the accounting cycle and the preparation of financial statements for single owner and partnership forms of business organizations operating as service companies or merchandisers. This course is restricted to students with 24 credit hours completed. Where a BMGT exam conflicts with another regularly scheduled class, the student will be provided a makeup exam.

0101	Progyan Basu TuTh 2:00pm - 3:15pm F 8:00am - 8:50am	Seats (Total: 35) VMH 1212 VMH 1314	 Discussion
0102	Progyan Basu TuTh 2:00pm - 3:15pm F 9:00am - 9:50am	Seats (Total: 35) VMH 1212 VMH 1314	 Discussion
0103	Progyan Basu TuTh 2:00pm - 3:15pm F 12:00pm - 12:50pm	Seats (Total: 35) VMH 1212 VMH 1314	 Discussion
0104	Progyan Basu TuTh 2:00pm - 3:15pm F 1:00pm - 1:50pm	Seats (Total: 35) VMH 1212 VMH 1314	 Discussion
0105	Progyan Basu TuTh 2:00pm - 3:15pm F 2:00pm - 2:50pm	Seats (Total: 35) VMH 1212 VMH 1314	 Discussion

0106	Progyan Basu TuTh 2:00pm - 3:15pm F 3:00pm - 3:50pm	Seats (Total: 35) VMH 1212 VMH 1314	 Discussion
0201	Progyan Basu TuTh 3:30pm - 4:45pm F 10:00am - 10:50am	Seats (Total: 35) VMH 1212 VMH 1314	 Discussion
0202	Progyan Basu TuTh 3:30pm - 4:45pm F 11:00am - 11:50am	Seats (Total: 35) VMH 1212 VMH 1314	 Discussion
0203	Progyan Basu TuTh 3:30pm - 4:45pm F 12:00pm - 12:50pm	Seats (Total: 35) VMH 1212 VMH 1307	 Discussion
0204	Progyan Basu TuTh 3:30pm - 4:45pm F 1:00pm - 1:50pm	Seats (Total: 35) VMH 1212 VMH 1307	 Discussion
0205	Progyan Basu TuTh 3:30pm - 4:45pm F 2:00pm - 2:50pm	Seats (Total: 35) VMH 1212 VMH 1303	 Discussion
0206	Progyan Basu TuTh 3:30pm - 4:45pm F 3:00pm - 3:50pm	Seats (Total: 35) VMH 1212 VMH 1303	 Discussion

BMGT220H **Principles of Accounting I**

BMGT220H Principles of Accounting I; (3 credits) Grade Method: REG.
This course is restricted to Honors students with 24 credit hours completed. Where a BMGT exam conflicts with another regularly scheduled class, the student will be provided a makeup exam.

0101	Colin Linsley TuTh 12:30pm - 1:45pm	Seats (Total: 35) VMH 1336	

BMGT221 **Principles of Accounting II**

BMGT221 Principles of Accounting II; (3 credits) Grade Method: REG. *Prerequisite: BMGT220.* Basic theory and techniques of accounting for managerial decision making. Involves the introduction of the corporation and manufacturing operations. Includes cost-volume-profit analysis and capital budgeting. Introduces the topics of income taxation and international accounting. This course is restricted to students with 24 credit hours completed. Where a BMGT exam conflicts with another regularly scheduled class, the student will be provided a makeup exam.

0101	Gregory Pfeiffer TuTh 9:30am - 10:45am F 8:00am - 8:50am	Seats (Total: 40) VMH 1212 VMH 1303	 Discussion
0102	Gregory Pfeiffer TuTh 9:30am - 10:45am F 9:00am - 9:50am	Seats (Total: 40) VMH 1212 VMH 1303	 Discussion
0103	Gregory Pfeiffer TuTh 9:30am - 10:45am F 10:00am - 10:50am	Seats (Total: 40) VMH 1212 VMH 1303	 Discussion
0104	Gregory Pfeiffer TuTh 9:30am - 10:45am F 11:00am - 11:50am	Seats (Total: 40) VMH 1212 VMH 1303	 Discussion
0105	Gregory Pfeiffer TuTh 9:30am - 10:45am F 12:00pm - 12:50pm	Seats (Total: 40) VMH 1212 VMH 1303	 Discussion
0106	Gregory Pfeiffer TuTh 9:30am - 10:45am F 1:00pm - 1:50pm	Seats (Total: 40) VMH 1212 VMH 1303	 Discussion
0201	Gregory Pfeiffer TuTh 11:00am - 12:15pm F 8:00am - 8:50am	Seats (Total: 40) VMH 1212 VMH 1307	 Discussion
0202	Gregory Pfeiffer TuTh 11:00am - 12:15pm F 9:00am - 9:50am	Seats (Total: 40) VMH 1212 VMH 1307	 Discussion

0203	Gregory Pfeiffer TuTh 11:00am - 12:15pm F 10:00am - 10:50am	Seats (Total: 40) VMH 1212 VMH 1307	Discussion
0204	Gregory Pfeiffer TuTh 11:00am - 12:15pm F 11:00am - 11:50am	Seats (Total: 40) VMH 1212 VMH 1307	Discussion
0205	Gregory Pfeiffer TuTh 11:00am - 12:15pm F 2:00pm - 2:50pm	Seats (Total: 40) VMH 1212 VMH 1307	Discussion
0206	Gregory Pfeiffer TuTh 11:00am - 12:15pm F 3:00pm - 3:50pm	Seats (Total: 40) VMH 1212 VMH 1307	Discussion
0301	Gregory Pfeiffer TuTh 12:30pm - 1:45pm F 8:00am - 8:50am	Seats (Total: 35) VMH 1212 VMH 1415	Discussion
0302	Gregory Pfeiffer TuTh 12:30pm - 1:45pm F 9:00am - 9:50am	Seats (Total: 35) VMH 1212 VMH 1415	Discussion
0303	Gregory Pfeiffer TuTh 12:30pm - 1:45pm F 10:00am - 10:50am	Seats (Total: 35) VMH 1212 VMH 1415	Discussion
0304	Gregory Pfeiffer TuTh 12:30pm - 1:45pm F 11:00am - 11:50am	Seats (Total: 35) VMH 1212 VMH 1415	Discussion
0305	Gregory Pfeiffer TuTh 12:30pm - 1:45pm F 12:00pm - 12:50pm	Seats (Total: 35) VMH 1212 VMH 1415	Discussion
0306	Gregory Pfeiffer TuTh 12:30pm - 1:45pm F 1:00pm - 1:50pm	Seats (Total: 35) VMH 1212 VMH 1415	Discussion

0307	Gregory Pfeiffer TuTh 12:30pm - 1:45pm F 2:00pm - 2:50pm	Seats (Total: 35) VMH 1212 VMH 1415	Discussion

BMGT221H **Principles of Accounting II**

BMGT221H Principles of Accounting II; (3 credits) Grade Method: REG. *Prerequisite: BMGT220.* This course is restricted to Honors students with 24 hours completed. Where a BMGT exam conflicts with another regularly scheduled class, the student will be provided a makeup exam.

0101	Colin Linsley TuTh 3:30pm - 4:45pm	Seats (Total: 35) VMH 1333	

BMGT230 **Business Statistics**

BMGT230 Business Statistics; (3 credits) Grade Method: REG. *Prerequisite: MATH113 or MATH115 or placement in MATH220 or higher. Not open to students who have completed BMGT231, ENEE324, or STAT400. Credit will be granted for only one of the following: BIOM301, BMGT230, ECON321, EDMS451, GEOG305, GVPT422, PSYC200, or SOCY201.* Introductory course in probabilistic and statistical concepts including descriptive statistics, set-theoretic development of probability, the properties of discrete and continuous random variables, sampling theory, estimation, hypothesis testing, regression and decision theory and the application of these concepts to problem solving in business and the application of these concepts to problem solving in business and management. This course does not meet requirements for management science and statistics majors. Where a BMGT exam conflicts with a regularly scheduled class, the student will be provided with a makeup exam.

0101	Erich Studer-Ellis MW 8:00am - 9:15am F 8:00am - 8:50am	Seats (Total: 31) VMH 1524 COL 0100	Discussion
0102	Erich Studer-Ellis MW 8:00am - 9:15am F 9:00am - 9:50am	Seats (Total: 18) VMH 1524 COL 0100	Discussion

0103	Erich Studer-Ellis MW 8:00am - 9:15am F 10:00am - 10:50am	Seats (Total: 21) VMH 1524 COL 0100	Discussion
0104	Erich Studer-Ellis MW 8:00am - 9:15am F 11:00am - 11:50am	Seats (Total: 30) VMH 1524 COL 3111	Discussion
0105	Erich Studer-Ellis MW 8:00am - 9:15am F 12:00pm - 12:50pm	Seats (Total: 18) VMH 1524 COL 0100	Discussion
0106	Erich Studer-Ellis MW 8:00am - 9:15am F 1:00pm - 1:50pm	Seats (Total: 18) VMH 1524 COL 0100	Discussion
0107	Erich Studer-Ellis MW 8:00am - 9:15am F 2:00pm - 2:50pm	Seats (Total: 17) VMH 1524 COL 0100	Discussion
0201	Erich Studer-Ellis MW 9:30am - 10:45am F 8:00am - 8:50am	Seats (Total: 31) VMH 1524 COL 0101	Discussion
0202	Erich Studer-Ellis MW 9:30am - 10:45am F 9:00am - 9:50am	Seats (Total: 16) VMH 1524 COL 0101	Discussion
0203	Erich Studer-Ellis MW 9:30am - 10:45am F 10:00am - 10:50am	Seats (Total: 24) VMH 1524 COL 3110	Discussion
0204	Erich Studer-Ellis MW 9:30am - 10:45am F 11:00am - 11:50am	Seats (Total: 16) VMH 1524 COL 0101	Discussion
0205	Erich Studer-Ellis MW 9:30am - 10:45am F 12:00pm - 12:50pm	Seats (Total: 16) VMH 1524 COL 0101	Discussion

0206	Erich Studer-Ellis MW 9:30am - 10:45am F 1:00pm - 1:50pm	Seats (Total: 16) VMH 1524 COL 0101	Discussion
0207	Erich Studer-Ellis MW 9:30am - 10:45am F 2:00pm - 2:50pm	Seats (Total: 19) VMH 1524 COL 0101	Discussion
0301	Erich Studer-Ellis MW 11:00am - 12:15pm F 8:00am - 8:50am	Seats (Total: 16) VMH 1524 COL 3112	Discussion
0302	Erich Studer-Ellis MW 11:00am - 12:15pm F 9:00am - 9:50am	Seats (Total: 16) VMH 1524 COL 3112	Discussion
0303	Erich Studer-Ellis MW 11:00am - 12:15pm F 10:00am - 10:50am	Seats (Total: 22) VMH 1524 COL 0113	Discussion
0304	Erich Studer-Ellis MW 11:00am - 12:15pm F 11:00am - 11:50am	Seats (Total: 16) VMH 1524 COL 3110	Discussion
0305	Erich Studer-Ellis MW 11:00am - 12:15pm F 12:00pm - 12:50pm	Seats (Total: 16) VMH 1524 COL 3112	Discussion
0306	Erich Studer-Ellis MW 11:00am - 12:15pm F 1:00pm - 1:50pm	Seats (Total: 18) VMH 1524 COL 3112	Discussion
0307	Erich Studer-Ellis MW 11:00am - 12:15pm F 2:00pm - 2:50pm	Seats (Total: 31) VMH 1524 COL 3112	Discussion

BMGT230B Business Statistics

BMGT230B Business Statistics; (3 credits) Grade Method: REG.
Prerequisite: MATH113 or MATH115 or placement in MATH220 or higher. Not open to students who have completed BMGT231, ENEE324, or STAT400. Credit will be granted for only one of the following: BIOM301, BMGT230, ECON321, EDMS451, GEOG305, GVPT422, PSYC200, or SOCY201. This course is restricted to BMGT majors.

0102	Erich Studer-Ellis MW 8:00am - 9:15am F 9:00am - 9:50am	Seats (Total: 13) VMH 1524 COL 0100	Discussion
0103	Erich Studer-Ellis MW 8:00am - 9:15am F 10:00am - 10:50am	Seats (Total: 9) VMH 1524 COL 0100	Discussion
0105	Erich Studer-Ellis MW 8:00am - 9:15am F 12:00pm - 12:50pm	Seats (Total: 13) VMH 1524 COL 0100	Discussion
0106	Erich Studer-Ellis MW 8:00am - 9:15am F 1:00pm - 1:50pm	Seats (Total: 13) VMH 1524 COL 0100	Discussion
0107	Erich Studer-Ellis MW 8:00am - 9:15am F 2:00pm - 2:50pm	Seats (Total: 13) VMH 1524 COL 0100	Discussion
0202	Erich Studer-Ellis MW 9:30am - 10:45am F 9:00am - 9:50am	Seats (Total: 15) VMH 1524 COL 0101	Discussion
0204	Erich Studer-Ellis MW 9:30am - 10:45am F 11:00am - 11:50am	Seats (Total: 15) VMH 1524 COL 0101	Discussion
0205	Erich Studer-Ellis MW 9:30am - 10:45am F 12:00pm - 12:50pm	Seats (Total: 15) VMH 1524 COL 0101	Discussion

0206	Erich Studer-Ellis MW 9:30am - 10:45am F 1:00pm - 1:50pm	Seats (Total: 15) VMH 1524 COL 0101	Discussion
0301	Erich Studer-Ellis MW 11:00am - 12:15pm F 8:00am - 8:50am	Seats (Total: 15) VMH 1524 COL 3112	Discussion
0302	Erich Studer-Ellis MW 11:00am - 12:15pm F 9:00am - 9:50am	Seats (Total: 15) VMH 1524 COL 3112	Discussion
0304	Erich Studer-Ellis MW 11:00am - 12:15pm F 11:00am - 11:50am	Seats (Total: 15) VMH 1524 COL 3110	Discussion
0305	Erich Studer-Ellis MW 11:00am - 12:15pm F 12:00pm - 12:50pm	Seats (Total: 15) VMH 1524 COL 3112	Discussion

BMGT230H **Business Statistics**

BMGT230H Business Statistics; (3 credits) Grade Method: REG.
Prerequisite: MATH113 or MATH115 or placement in MATH220 or higher. Not open to students who have completed BMGT231, ENEE324, or STAT400. Credit will be granted for only one of the following: BIOM301, BMGT230, ECON321, EDMS451, GEOG305, GVPT422, PSYC200, or SOCY201. This course is restricted to Honors students.

0101	Kazim Ruhi TuTh 12:30pm - 1:45pm	Seats (Total: 35) VMH 1415

BMGT230M **Business Statistics**

BMGT230M Business Statistics; (3 credits) Grade Method: REG.
Prerequisite: MATH113 or MATH115 or placement in MATH220 or higher. Not open to students who have completed BMGT231, ENEE324, or STAT400. Credit will be granted for only one of the following: BIOM301, BMGT230, ECON321, EDMS451, GEOG305, GVPT422, PSYC200, or SOCY201. This course is restricted to Markets & Society students.

0104	Erich Studer-Ellis MW 8:00am - 9:15am F 11:00am - 11:50am	Seats (Total: 1) VMH 1524 COL 3111	Discussion
0203	Erich Studer-Ellis MW 9:30am - 10:45am F 10:00am - 10:50am	Seats (Total: 7) VMH 1524 COL 3110	Discussion
0207	Erich Studer-Ellis MW 9:30am - 10:45am F 2:00pm - 2:50pm	Seats (Total: 12) VMH 1524 COL 0101	Discussion
0303	Erich Studer-Ellis MW 11:00am - 12:15pm F 10:00am - 10:50am	Seats (Total: 9) VMH 1524 COL 0113	Discussion
0306	Erich Studer-Ellis MW 11:00am - 12:15pm F 1:00pm - 1:50pm	Seats (Total: 13) VMH 1524 COL 3112	Discussion

BMGT301 **Introduction to Information Systems**

BMGT301 Introduction to Information Systems; (3 credits) Grade Method: REG. *CMSC majors will not receive credit for this course towards their upper level concentration in their CMSC major. All BMGT majors, including students who are a double major in CMCS, must complete BMGT301 for their BMGT degree. For BMGT majors only.* Comprehensive overview of information systems (IS), which explores the strategic and tactical nature of IS. The basic concepts in analyzing and designing information systems for business applications will be presented. Aspects of data management such as databases, data warehousing, data analysis, and data mining will be analyzed, and the basics of web page and web site design will be outlined. Students will also be introduced to modern information systems infrastructure such as telecommunications, networks, and information systems security. Knowledge of Excel or a similar spreadsheet tool. This course is restricted to BMGT majors with 53 credit hours completed.

0101	Katherine Stewart TuTh 11:00am - 12:15pm	Seats (Total: 60) VMH 1333	

0201	Sivakumar Viswanathan TuTh 3:30pm - 4:45pm	Seats (Total: 60) VMH 1412
0301	Katherine Stewart TuTh 12:30pm - 1:45pm	Seats (Total: 60) VMH 1412
0401	Sivakumar Viswanathan TuTh 2:00pm - 3:15pm	Seats (Total: 60) VMH 1412
0501	Barnet Corwin MW 12:30pm - 1:45pm	Seats (Total: 60) VMH 1412
0601	Donald Riley MW 3:30pm - 4:45pm	Seats (Total: 60) VMH 1412
0701	Scott Hudson MW 5:00pm - 6:15pm	Seats (Total: 60) VMH 1303
SG91	Peter Weiss TuTh 9:30am - 10:45am	Seats (Total: 60) SG3 3241
	Registration is restricted to BMGT-Shady Grove majors. Other students may request enrollment on a space available basis. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.	
SG92	Peter Weiss TuTh 11:00am - 12:15pm	Seats (Total: 60) SG3 3241
	Registration is restricted to BMGT-Shady Grove majors. Other students may request enrollment on a space available basis. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.	
SG93	Barnet Corwin TuTh 12:30pm - 1:45pm	Seats (Total: 60) SG3 3241
	Registration is restricted to BMGT-Shady Grove majors. Other students may request enrollment on a space available basis. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.	

BMGT302 Business Computer Application Programming

BMGT302 Business Computer Application Programming; (3 credits) Grade Method: REG.
Prerequisite: BMGT301; or permission of department. Not open to Computer Science majors and Computer Science majors will not receive credit. For BMGT majors only. The course provides a structured approach to business application development and programming. Problem solving techniques, program design, and logic, are emphasized. Hands-on exercises in which students participate in designing and developing cross-disciplinary business applications are included. This course is restricted to BMGT majors with 53 credit hours completed. This course is not open to Computer Science Majors.

0101	Peter Weiss	Seats (Total: 40)	
	TuTh 3:30pm - 4:45pm	VMH 1311	
	Th 5:00pm - 5:50pm	VMH 1311	Lab

BMGT310 **Intermediate Accounting I**

BMGT310 Intermediate Accounting I; (3 credits) Grade Method: REG.
Prerequisite: BMGT221. Comprehensive analysis of financial accounting topics related to financial statement preparation and external reporting. This course is restricted to accounting and finance majors with 53 credit hours completed.

0101	Stephen Brown	Seats (Total: 40)
	TuTh 9:30am - 10:45am	VMH 1307
0201	Stephen Brown	Seats (Total: 40)
	TuTh 11:00am - 12:15pm	VMH 1307
0301	Rebecca Hann	Seats (Total: 40)
	TuTh 12:30pm - 1:45pm	VMH 1307
0401	Rebecca Hann	Seats (Total: 40)
	TuTh 2:00pm - 3:15pm	VMH 1307

BMGT311 **Intermediate Accounting II**

BMGT311 Intermediate Accounting II; (3 credits) Grade Method: REG.
Prerequisite: BMGT310. Continuation of BMGT310. This course is restricted to accounting majors with 60 credit hours completed.

0101	Oliver Kim MW 2:00pm - 3:15pm	Seats (Total: 40) VMH 1206
0201	Oliver Kim MW 9:30am - 10:45am	Seats (Total: 40) VMH 1206
0301	Oliver Kim MW 12:30pm - 1:45pm	Seats (Total: 40) VMH 1206
0401	Gary Bulmash TuTh 9:30am - 10:45am	Seats (Total: 40) VMH 1206
SG91	Leslie Mostow MW 9:30am - 10:45am *Registration is restricted to Accounting Shady Grove students. Other students may request enrollment on a space available basis. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.*	Seats (Total: 45) SGII 3042
SG92	Kendrall Hardy MW 11:00am - 12:15pm *Registration is restricted to Accounting Shady Grove students. Other students may request enrollment on a space available basis. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.*	Seats (Total: 45) SGII 3042

BMGT313 **Financial Statement Analysis**

BMGT313 Financial Statement Analysis; (3 credits) Grade Method: REG. *Prerequisite: BMGT221.* Provides students with the tools to conduct a financial statement analysis, which is part of an overall business analysis. Involves understanding and using the information that financial statements are communicating to users. This course is restricted to Accounting and Finance students with 53 cre dits.

0101	Gary Bulmash TuTh 11:00am - 12:15pm	Seats (Total: 30) VMH 1518

BMGT321 **Managerial Accounting**

BMGT321 Managerial Accounting; (3 credits) Grade Method: REG.
Prerequisite: BMGT221. A study of the basic concepts of product costing and cost analysis for management planning and control. Emphasis is placed on the role of the accountant in organizational management, analysis of cost behavior, standard cost budgeting, responsibility accounting and relevant costs for decision-making. This course is restricted to BMGT majors with 53 credit hours completed.

0101	Martin Loeb MW 2:00pm - 3:15pm	Seats (Total: 40) VMH 1307
0201	Shijun Cheng TuTh 12:30pm - 1:45pm	Seats (Total: 40) VMH 1411
0301	Justin Trudel TuTh 3:30pm - 4:45pm	Seats (Total: 40) VMH 1307
0401	Shijun Cheng TuTh 11:00am - 12:15pm	Seats (Total: 40) VMH 1411
SG91	Lei Zhou MW 11:00am - 12:15pm *Registration is restricted to Accounting Shady Grove students. Other students may request enrollment on a space available basis. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.*	Seats (Total: 45) SGII 2032
SG92	Lei Zhou MW 12:30pm - 1:45pm *Registration is restricted to Accounting Shady Grove students. Other students may request enrollment on a space available basis. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.*	Seats (Total: 45) SGII 2032

BMGT323 **Taxation of Individuals**

BMGT323 Taxation of Individuals; (3 credits) Grade Method: REG.
Prerequisite: BMGT221. Federal taxation of individuals focusing on income, exclusions, deductions, depreciation, credits and capital transactions. Property coverage includes the tax consequences of sales and dispositions of investment and business assets. Both tax planning and compliance issues are covered. This course is restricted to accounting majors with 53 credit hours completed.

0101	Gregory Pfeiffer MW 12:30pm - 1:45pm	Seats (Total: 40) VMH 1333
0201	Gregory Pfeiffer MW 2:00pm - 3:15pm	Seats (Total: 40) VMH 1333
0301	Eugene Cantor W 7:00pm - 9:40pm	Seats (Total: 40) VMH 1202

BMGT326 **Accounting Systems**

BMGT326 Accounting Systems; (3 credits) Grade Method: REG.
Prerequisite: BMGT221 and (BMGT301 or BMGT201). A study of accounting systems and computer and communications technology. This course is restricted to accounting majors with 60 credit hours completed.

0101	Michael Lavine MW 9:30am - 10:45am	Seats (Total: 40) VMH 1303
0201	Michael Lavine MW 12:30pm - 1:45pm	Seats (Total: 40) VMH 1303
0301	Michael Lavine MW 2:00pm - 3:15pm	Seats (Total: 40) VMH 1303

BMGT332 **Operations Research For Management Decisions**

BMGT332 Operations Research For Management Decisions; (3 credits) Grade Method: REG.
Prerequisite: BMGT230 or BMGT231; or equivalent. Surveys the philosophy, techniques and applications of operations research to managerial decision-making. Techniques covered include: linear programming, transportation and assignment models, Markov processes and inventory and queuing models. Emphasis is placed on formulating and solving decision problems in the functional areas of management. This course is restricted to BMGT majorsand Quest program students with 53 credit hours completed.

0101	Bruce Golden TuTh 2:00pm - 3:15pm	Seats (Total: 50) VMH 1335

0201	Ming Chen TuTh 11:00am - 12:15pm	Seats (Total: 50) VMH 1412	
SG91	Kazim Ruhi MW 12:30pm - 1:45pm *Registration is restricted to BMGT-Shady Grove majors. Other students may request enrollment on a space available basis. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.*	Seats (Total: 40) SGII 3042	

BMGT340 **Business Finance**

BMGT340 Business Finance; (3 credits) Grade Method: REG.
Prerequisites: BMGT221; and {BMGT230 or BMGT231}. Topics include: the principles and practices involved in the organization, financing and rehabilitation of business enterprises; the various types of securities and their use in raising funds, apportioning income, risk and control; intercorporate relations; and new developments. Emphasis on solution of problems of financial policy faced by management. This course is restricted to BMGT majors with 53 credit hours completed. Other interested students should review their eligiblity for BMGT 340N.

0101	Susan White MW 2:00pm - 3:15pm F 8:00am - 8:50am	Seats (Total: 42) VMH 1524 VMH 3505	 Discussion
0102	Susan White MW 2:00pm - 3:15pm F 9:00am - 9:50am	Seats (Total: 42) VMH 1524 VMH 3505	 Discussion
0103	Susan White MW 2:00pm - 3:15pm F 10:00am - 10:50am	Seats (Total: 42) VMH 1524 VMH 3505	 Discussion
0104	Susan White MW 2:00pm - 3:15pm F 11:00am - 11:50am	Seats (Total: 42) VMH 1524 VMH 3505	 Discussion
0105	Susan White MW 2:00pm - 3:15pm F 12:00pm - 12:50pm	Seats (Total: 42) VMH 1524 VMH 3505	 Discussion

0201	Susan White MW 3:30pm - 4:45pm F 9:00am - 9:50am	Seats (Total: 28) VMH 1524 VMH 1318	Discussion
0202	Susan White MW 3:30pm - 4:45pm F 10:00am - 10:50am	Seats (Total: 38) VMH 1524 VMH 1318	Discussion
0203	Susan White MW 3:30pm - 4:45pm F 11:00am - 11:50am	Seats (Total: 38) VMH 1524 VMH 1318	Discussion
0204	Susan White MW 3:30pm - 4:45pm F 12:00pm - 12:50pm	Seats (Total: 38) VMH 1524 VMH 1318	Discussion

BMGT340N **Business Finance**

BMGT340N Business Finance; (3 credits) Grade Method: REG.
Prerequisites: BMGT221; and {BMGT230 or BMGT231}. This course is restricted to agricultural and resource economics majors (0111C) with 53 credit hours completed.

0201	Susan White MW 3:30pm - 4:45pm F 9:00am - 9:50am	Seats (Total: 10) VMH 1524 VMH 1318	Discussion

BMGT343 **Investments**

BMGT343 Investments; (3 credits) Grade Method: REG.
Prerequisite: BMGT340. An introduction to financial investments. Topics include: securities and securities markets; investment risks, returns and constraints; portfolio policies; and institutional investment policies. This course is restricted to finance majors with 60 credit hours completed.

0101	Russell Wermers MW 12:30pm - 1:45pm	Seats (Total: 38) VMH 1330	
0201	Anna Obizhaeva TuTh 12:30pm - 1:45pm	Seats (Total: 38) VMH 1528	

0301	Anna Obizhaeva TuTh 2:00pm - 3:15pm	Seats (Total: 38) VMH 1518	
0401	Anna Obizhaeva TuTh 3:30pm - 4:45pm	Seats (Total: 38) VMH 1518	
0501	Doron Avramov MW 11:00am - 12:15pm	Seats (Total: 38) VMH 1303	
FP01	Russell Wermers MW 2:00pm - 3:15pm *This section is restricted to students in the Smith School's Quantitative Finance Fellows Program.*	Seats (Total: 38) VMH 1412	

BMGT350 **Marketing Principles and Organization**

BMGT350 Marketing Principles and Organization; (3 credits) Grade Method: REG. *Prerequisite: ECON200 or ECON205.* An introduction to the concepts and principles of marketing including the marketing of service and nonprofit organizations. Provides an overview of all the concepts in marketing including relationship marketing, product development, pricing, promotion, marketing research, consumer behavior, international marketing, distribution and internal marketing to employees. This course is restricted to BMGT majors with 53 credit hours completed. Other interested students should review their eligibility for BMGT 350N.

0101	Henry Boyd TuTh 9:30am - 10:45am F 8:00am - 8:50am	Seats (Total: 25) VMH 1524 COL 3109	Discussion
0102	Henry Boyd TuTh 9:30am - 10:45am F 9:00am - 9:50am	Seats (Total: 35) VMH 1524 COL 3109	Discussion
0103	Henry Boyd TuTh 9:30am - 10:45am F 10:00am - 10:50am	Seats (Total: 35) VMH 1524 COL 3109	Discussion
0104	Henry Boyd TuTh 9:30am - 10:45am F 11:00am - 11:50am	Seats (Total: 35) VMH 1524 COL 3109	Discussion

0105	Henry Boyd TuTh 9:30am - 10:45am F 12:00pm - 12:50pm	Seats (Total: 35) VMH 1524 COL 3109	Discussion
0106	Henry Boyd TuTh 9:30am - 10:45am F 1:00pm - 1:50pm	Seats (Total: 35) VMH 1524 COL 3109	Discussion
0201	Henry Boyd TuTh 11:00am - 12:15pm F 8:00am - 8:50am	Seats (Total: 35) VMH 1524 COL 0113	Discussion
0202	Henry Boyd TuTh 11:00am - 12:15pm F 9:00am - 9:50am	Seats (Total: 35) VMH 1524 COL 0113	Discussion
0203	Henry Boyd TuTh 11:00am - 12:15pm F 2:00pm - 2:50pm	Seats (Total: 35) VMH 1524 COL 0113	Discussion
0204	Henry Boyd TuTh 11:00am - 12:15pm F 11:00am - 11:50am	Seats (Total: 35) VMH 1524 COL 0113	Discussion
0205	Henry Boyd TuTh 11:00am - 12:15pm F 12:00pm - 12:50pm	Seats (Total: 35) VMH 1524 COL 0113	Discussion
0206	Henry Boyd TuTh 11:00am - 12:15pm F 1:00pm - 1:50pm	Seats (Total: 35) VMH 1524 COL 0113	Discussion

BMGT350N **Marketing Principles and Organization**

BMGT350N Marketing Principles and Organization; (3 credits) Grade Method: REG.

Prerequisite: ECON200 or ECON205. This course is restricted to agricultural and resource economics (0111C) and horticulture (0107C) majors with 53 credit hours completed.

0101	Henry Boyd TuTh 9:30am - 10:45am F 8:00am - 8:50am	Seats (Total: 10) VMH 1524 COL 3109	Discussion

BMGT352 **Customer-Centric Innovation**

BMGT352 Customer-Centric Innovation; (3 credits) Grade Method: REG. *Prerequisite: BMGT350.* Addresses the management of new products and services with a focus on the innovation process, specifically the development and launching of new products or services: Opportunity Identification, Concept Generation, Design, Testing and Launch. This course is restricted to BMGT majors with 60 credits.

0101	Yogesh Joshi TuTh 9:30am - 10:45am	Seats (Total: 35) VMH 1336
0201	Yogesh Joshi TuTh 11:00am - 12:15pm	Seats (Total: 35) VMH 1336

BMGT353 **Retail Management**

BMGT353 Retail Management; (3 credits) Grade Method: REG. *Prerequisites: BMGT220; and BMGT350.* Planning and implementing retail marketing strategy. Store and nonstore (catalog, Internet) retailing. Evaluation of how environmental trends in the consumer market, competition, the economy and technology affect retail strategy in the U.S. and global market. This course is restricted to BMGT majors with 60 credit hours completed.

0101	Mervin Yeagle TuTh 3:30pm - 4:45pm	Seats (Total: 40) VMH 1303
0201	Mervin Yeagle TuTh 5:00pm - 6:15pm	Seats (Total: 40) VMH 1303

BMGT360 **Human Resource Management**

BMGT360 Human Resource Management; (3 credits) Grade Method: REG.
The basic course in human resource management includes manpower planning, recruitment, selection, development, compensation and appraisal of employees. Explores the impact of scientific management and unionism on these functions. This course is open to all students with 53 credit hours completed.

0101	James Spina MW 11:00am - 12:15pm F 9:00am - 9:50am	Seats (Total: 35) VMH 1212 VMH 1411	 Discussion
0102	James Spina MW 11:00am - 12:15pm F 10:00am - 10:50am	Seats (Total: 35) VMH 1212 VMH 1411	 Discussion
0103	James Spina MW 11:00am - 12:15pm F 11:00am - 11:50am	Seats (Total: 35) VMH 1212 VMH 1411	 Discussion
0104	James Spina MW 11:00am - 12:15pm F 12:00pm - 12:50pm	Seats (Total: 35) VMH 1212 VMH 1411	 Discussion
0105	James Spina MW 11:00am - 12:15pm F 1:00pm - 1:50pm	Seats (Total: 35) VMH 1212 VMH 1411	 Discussion
0106	James Spina MW 11:00am - 12:15pm F 2:00pm - 2:50pm	Seats (Total: 35) VMH 1212 VMH 1411	 Discussion

BMGT362 **Labor Relations**
Contact department for information to register for this course.

BMGT363 **Leadership in Organizations**

BMGT363 Leadership in Organizations; (3 credits) Grade Method: REG. *Credit will be granted for only one of the following: BMGT363 or BMGT498D. Formerly BMGT498D.* Provides a comprehensive understanding of fundamental leadership concepts, theories, and skills in organizations and applies to assessing and developing effective leadership practices in organizations. Restricted to BMGT students with 90 or more credit hours completed.

0101	Myeong-Gu Seo TuTh 2:00pm - 3:15pm	Seats (Total: 35) VMH 1415	
SG91	Myeong-Gu Seo MW 9:30am - 10:45am	Seats (Total: 30) SGII 3022	
SG92	Myeong-Gu Seo MW 11:00am - 12:15pm	Seats (Total: 30) SGII 3022	

BMGT364 **Management and Organization Theory**

BMGT364 Management and Organization Theory; (3 credits) Grade Method: REG. The development of management and organization theory, nature of the management process and function and its future development. The role of the manager as an organizer and director, the communication process, goals and responsibilities. This course is restricted to BMGT majors with 53 credit hours completed. Other interested students should review their eligibility for BMGT 364N.

0101	Mark Wellman MW 12:30pm - 1:45pm F 9:00am - 10:50am	Seats (Total: 32) VMH 1212 VMH 1336	 Discussion
	The discussion for this section will begin meeting on 1/30/2009 and the meet every other Friday through 5/1/2009.		
0102	Mark Wellman MW 12:30pm - 1:45pm F 10:00am - 11:50am	Seats (Total: 42) VMH 1212 VMH 1335	 Discussion
	The discussion for this section will begin meeting on 1/30/2009 and the meet every other Friday through 5/1/2009.		

0103	Mark Wellman	Seats (Total: 42)	
	MW 12:30pm - 1:45pm F 11:00am - 12:50pm	VMH 1212 VMH 1336	Discussion
	The discussion for this section will begin meeting on 1/30/2009 and the meet every other Friday through 5/1/2009.		
0104	Mark Wellman	Seats (Total: 42)	
	MW 12:30pm - 1:45pm F 12:00pm - 1:50pm	VMH 1212 VMH 1335	Discussion
	The discussion for this section will begin meeting on 1/30/2009 and the meet every other Friday through 5/1/2009.		
0105	Mark Wellman	Seats (Total: 42)	
	MW 12:30pm - 1:45pm F 1:00pm - 2:50pm	VMH 1212 VMH 1336	Discussion
	The discussion for this section will begin meeting on 1/30/2009 and the meet every other Friday through 5/1/2009.		
0201	Mark Wellman	Seats (Total: 42)	
	MW 9:30am - 10:45am F 9:00am - 10:50am	VMH 1212 VMH 1336	Discussion
	The discussion for this section will begin meeting on 2/6/2009 and then meet every other Friday through 5/8/2009.		
0202	Mark Wellman	Seats (Total: 42)	
	MW 9:30am - 10:45am F 10:00am - 11:50am	VMH 1212 VMH 1335	Discussion
	The discussion for this section will begin meeting on 2/6/2009 and then meet every other Friday through 5/8/2009.		
0203	Mark Wellman	Seats (Total: 42)	
	MW 9:30am - 10:45am F 11:00am - 12:50pm	VMH 1212 VMH 1336	Discussion
	The discussion for this section will begin meeting on 2/6/2009 and then meet every other Friday through 5/8/2009.		

0204	Mark Wellman	Seats (Total: 42)	
	MW 9:30am - 10:45am F 12:00pm - 1:50pm	VMH 1212 VMH 1335	Discussion
	The discussion for this section will begin meeting on 2/6/2009 and then meet every other Friday through 5/8/2009.		
0205	Mark Wellman	Seats (Total: 42)	
	MW 9:30am - 10:45am F 1:00pm - 2:50pm	VMH 1212 VMH 1336	Discussion
	The discussion for this section will begin meeting on 2/6/2009 and then meet every other Friday through 5/8/2009.		

BMGT364H **Management and Organization Theory**

BMGT364H *(PermReq)* **Management and Organization Theory; (3 credits)** Grade Method: REG.
This course is restricted to BMGT Honors students with 53 credit hours completed.

0101	Henry Sims	Seats (Total: 25)	
	M 3:30pm - 6:10pm	VMH 1336	
0201	Henry Sims	Seats (Total: 25)	
	W 3:30pm - 6:10pm	VMH 1336	

BMGT364N **Management and Organization Theory**

BMGT364N Management and Organization Theory; (3 credits) Grade Method: REG.
This course is restricted to agricultural and resource economics (0111C) and dietetics (1307D) majors with 53 credit hours completed.

0101	Mark Wellman	Seats (Total: 10)	
	MW 12:30pm - 1:45pm F 9:00am - 10:50am	VMH 1212 VMH 1336	Discussion
	The discussion for this section will begin on 1/30/2009 and then meet e ery other Friday through 5/1/2009.		

BMGT365 **Entrepreneurial Finance and Private Equity**

BMGT365 Entrepreneurial Finance, and Private Equity; (3 credits) Grade Method: REG.

Prerequisite: BMGT361 or BMGT461. Junior standing. Studies venture capital and private equity using a combination of cases, lectures and guest speakers. Addresses how venture capitalists provide capital to start-up firms in growing industries and how private equity markets provide capital to help established medium-sized firms (often family businesses) grow and restructure. Focuses on how financial, legal, and economic issues are dealt with in the financial contracts between venture capitalists and their limited partners and between capitalists (or other private equity investors) and the firms in which they invest.

SG91	Andrew Sherman M 6:30pm - 9:10pm	Seats (Total: 35) SGII 3032
	Registration is restricted to Entrepreneurship or General Business Shad Grove students. Other students may request enrollment on a space available basis. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.	

BMGT367 **Career Search Strategies in Business**

BMGT367 Career Search Strategies in Business; (1 credit) Grade Method: REG.

For BMGT majors only. An overview and opportunity to practice job search skills critical to obtaining internships and full-time positions. Course will cover strategies for exploring career options, preparing job search materials, development of job search skills such as interviewing and networking. Students are encouraged to take this course in the sophomore or junior year. This course is restricted to BMGT students with 45 credit hours completed.

0101	Robert Raybits M 5:00pm - 5:50pm	Seats (Total: 115) VMH 1528
0201	Ira Koretsky Tu 5:00pm - 5:50pm	Seats (Total: 115) VMH 1528
FP01	Daniel O'Brien W 6:00pm - 6:50pm	Seats (Total: 35) VMH 1518
	This section is restricted to students in the Smith School's Freshman Fellows Program.	
FP02	Angelique Rutsch M 6:00pm - 6:50pm	Seats (Total: 35) VMH 1518
	This section is restricted to students in the Smith School's Freshman Fellows Program.	

FP03	Ericka Brown Th 6:00pm - 6:50pm	Seats (Total: 35) VMH 1518
	This section is restricted to students in the Smith School's Freshman Fellows Program.	
FP04	Gregory McElroy Tu 6:00pm - 6:50pm	Seats (Total: 35) VMH 1518
	This section is restricted to students in the Smith School's Freshman Fellows Program.	
FP05	Jennifer Armstrong W 5:00pm - 5:50pm	Seats (Total: 35) VMH 1518
	This section is restricted to students in the Smith School's Freshman Fellows Program.	
FP07	Alicia Downes Th 5:00pm - 5:50pm	Seats (Total: 35) VMH 1518
	This section is restricted to students in the Smith School's Freshman Fellows Program.	

BMGT370 **Introduction to Transportation**

BMGT370 Introduction to Transportation; (3 credits) Grade Method: REG.
An overview of the transportation field with an emphasis on freight movements from the perspective of both providers of capacity and users of freight services. Examines the characteristics of the freight modes and the role of each mode as a major component of logistics and supply chain management. Explores the economics, energy use, and finances of each mode as well as the impact of government policies on each mode's future. Discussion of infrastructure and capacity needs of the transportation system and its ability to support the economy. This course is restricted to BMGT students with 53 credit hours completed.

0101	Philip Evers MW 9:30am - 10:45am	Seats (Total: 40) VMH 1336
0201	Philip Evers MW 11:00am - 12:15pm	Seats (Total: 40) VMH 1336

BMGT372 **Introduction to Logistics and Supply Chain Management**

BMGT372 Introduction to Logistics and Supply Chain Management; (3 credits)
Grade Method: REG.
Supply chain management involves the coordination of suppliers, manufacturers, distributors, and retailers to ensure that products and services are available to the final consumer in a timely and cost-effective fashion. Logistics management is the subset of supply chain management dealing with the physical flows of product and includes such activities as transportation management, warehousing, materials handling, inventory management, and order fulfillment. Attention is paid to the logistics cost trade-offs within the firm and between members of the supply chain. This course is restricted to BMGT majors with 53 credit hours completed.

0101	Leland Gardner TuTh 3:30pm - 4:45pm	Seats (Total: 40) VMH 1418
0201	Hugh Turner TuTh 11:00am - 12:15pm	Seats (Total: 40) VMH 1303
0301	Xiang Wan TuTh 2:00pm - 3:15pm	Seats (Total: 40) VMH 1418
0401	Jeff Miller MW 2:00pm - 3:15pm	Seats (Total: 40) VMH 1330
0501	Jeff Miller MW 3:30pm - 4:45pm	Seats (Total: 40) VMH 1330
SG91	Richard Hutchins MW 9:30am - 10:45am *Registration is restricted to Entrepreneurship, International Business or Marketing Shady Grove students. Other students may request enrollment on a space available basis. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.*	Seats (Total: 50) SGII 3032
SG92	William McAdam MW 11:00am - 12:15pm *Registration is restricted to Entrepreneurship, International Business or Marketing Shady Grove students. Other students may request enrollment on a space available basis. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.*	Seats (Total: 50) SGII 3032

BMGT380 Business Law I

BMGT380 Business Law I; (3 credits) Grade Method: REG.
Legal aspects of business relationships. Examination of torts and business crimes, contracts and agency. The law of personal property and bailment relationships. Survey of public policy issues. This course is restricted to BMGT majors with 53 credit hours completed. Other interested students should review their eligibility for BMGT 380N.

0101	Burt Leete MW 9:30am - 10:45am	Seats (Total: 60) VMH 1333
0201	Burt Leete MW 11:00am - 12:15pm	Seats (Total: 50) VMH 1333
0301	T Anenson TuTh 9:30am - 10:45am	Seats (Total: 60) VMH 1330
0401	T Anenson TuTh 11:00am - 12:15pm	Seats (Total: 60) VMH 1330
0501	T Anenson TuTh 2:00pm - 3:15pm	Seats (Total: 60) VMH 1330
0601	Richard Daniels TuTh 3:30pm - 4:45pm	Seats (Total: 60) VMH 1330

BMGT380H **Business Law I**

BMGT380H *(PermReq)* **Business Law I; (3 credits)** Grade Method: REG.
This course is restricted to BMGT Honors students with 53 credit hours completed.

0101	William McClenahan MW 9:30am - 10:45am	Seats (Total: 35) VMH 1415
0201	William McClenahan MW 11:00am - 12:15pm	Seats (Total: 35) VMH 1415

BMGT380N **Business Law I**

BMGT380N Business Law I; (3 credits) Grade Method: REG.
This course is restricted to agricultural and resource economics (0111C) majors with 53 credit hours completed.

0201	Burt Leete	Seats (Total: 10)
	MW 11:00am - 12:15pm	VMH 1333

BMGT381 **Business Law II**

BMGT381 Business Law II; (3 credits) Grade Method: REG.
Prerequisite: BMGT380 or permission of department. The Uniform Commercial Code, including sales, commercial paper, secured transactions, bulk sales and documents of title. The law of partnerships and corporations. Reorganization and liquidation under the bankruptcy laws. The law of real property, landlord and tenant relationships and decedents' estates. This course is restricted to BMGT majors with 63 credit hours completed.

0101	William McClenahan	Seats (Total: 65)
	MW 3:30pm - 4:45pm	VMH 1333

BMGT385 **Operations Management**

BMGT385 Operations Management; (3 credits) Grade Method: REG.
Credit will be granted for only one of the following: BMGT385 or ENME426. Studies the design, management and improvement of a firm's processes and systems for creation and delivery of products and services. Includes strategic and operational views of supply chain, product development, and capacity analysis, highlighting the competitive advantages that operations management can provide the firm. This course is restricted to BMGT majorsand Quest program students with 53 credit hours completed.

0101	Kazim Ruhi	Seats (Total: 50)
	TuTh 9:30am - 10:45am	VMH 1412

BMGT390H **Systems Thinking for Managerial Decision Making**

BMGT390H Systems Thinking for Managerial Decision Making; (3 credits) Grade Method: REG.
Prerequisite: BMGT190H or ENES190H. For QUEST students only. Also offered as ENES390. Credit will be granted for only one of the following: BMGT390, BMGT498X, ENES390, or ENES498X. Formerly BMGT498X. Restricted to QUEST program students. Also offered as ENES390H

0101	Joseph Bailey TuTh 2:00pm - 3:15pm	Seats (Total: 80) VMH 1333

BMGT392 **Introduction to International Business Management**

BMGT392 Introduction to International Business Management; (3 credits) Grade Method: REG.
Prerequisite: ECON200. A study of the domestic and foreign environmental factors affecting the international operations of U.S. business firms. The course also covers the administrative aspects of international marketing, finance and management. This course is restricted to BMGT majors with 53 credit hours completed.

0101	Gary Cohen MW 9:30am - 10:45am	Seats (Total: 40) VMH 1307
0201	Gary Cohen MW 11:00am - 12:15pm	Seats (Total: 40) VMH 1307
SG91	Vinod Jain MW 9:30am - 10:45am	Seats (Total: 50) SGII 2042
	Registration is restricted to Entrepreneurship,International Business o Marketing Shady Grove students. Other students may request enrollment on a space available basis. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.	
SG92	Vinod Jain MW 11:00am - 12:15pm	Seats (Total: 50) SGII 2042
	Registration is restricted to Entrepreneurship, International Business or Marketing Shady Grove students. Other students may request enrollment on a space available basis. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.	

BMGT398 **Individual Study in Business and Management**

BMGT398 *(PermReq)* **Individual Study in Business and Management; (1-3 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

BMGT398H **Individual Study in Business and Management; Marketing Research Project For Business Honor Students**

BMGT398H *(PermReq)* **Individual Study in Business and Management: Marketing Research Project For Business Honor Students; (1 credit)** Grade Method: REG. By permission only, prerequiaite BMGT350H. Open only to Smith School Hon or student.

0101	Roxanne Lefkoff	Seats (Total: 25)
	Contact instructor or department for details.	

BMGT398M **Individual Study in Business and Management; Practicum in Team Management**

BMGT398M Individual Study in Business and Management: Practicum in Team Management; (2 credits) Grade Method: REG/P-F/AUD.
Restricted to QUEST program students.

0101	Nicole Coomber	Seats (Total: 16)
	M 5:00pm - 6:50pm	VMH 1314

BMGT398Q **Individual Study in Business and Management; Quantitative Finance Applications**

BMGT398Q Individual Study in Business and Management: Quantitative Finance Applications; (1 credit) Grade Method: REG.
Restricted to students in the Quantitative Finance Fellows Program.

FP01	Charles LaHaie	Seats (Total: 25)
	F 2:00pm - 5:00pm	VMH 3505

BMGT402 **Database Systems**

BMGT402 Database Systems; (3 credits) Grade Method: REG.
Prerequisite: BMGT301 or equivalent. Recommended: BMGT302. Introduction to basic concepts of database management systems. Relational databases, query languages and design will be covered. File-processing techniques are examined. This course is restricted to BMGT majors with 72 or more credit hours completed.

0101	Peter Weiss	Seats (Total: 35)	
	MW 3:30pm - 4:45pm	VMH 1415	
	M 5:00pm - 6:15pm	VMH 1311	Lab

BMGT403 **Systems Analysis and Design**

BMGT403 Systems Analysis and Design; (3 credits) Grade Method: REG.
Prerequisite: BMGT301 or equivalent. Recommended: BMGT302. Techniques and tools applicable to the analysis and design of computer-based information systems. System life cycle, requirements analysis, logical design of databases and performance evaluation. Emphasis on case studies. Project required that involves the design, analysis and implementation of an information system. This course is restricted to BMGT majors with 72 or more credit hours completed.

0101	Hassan Ibrahim	Seats (Total: 40)	
	MW 2:00pm - 3:15pm	VMH 1311	

BMGT406 **Electronic Commerce Application Development**

BMGT406 Electronic Commerce Application Development; (3 credits) Grade Method: REG.
Prerequisite: BMGT302 and BMGT402. For BMGT majors only. Develops understanding of the fundamental principles of usability as they apply to electronic commerce applications. Aspects of website evaluation are examined. Course will also cover the design of usable business websites using current tools and techniques. Restricted to BMGT students with 72 or more credits.

0101	Louiqa Raschid	Seats (Total: 40)	
	TuTh 3:30pm - 4:45pm	VMH 2203	
	Tu 5:00pm - 6:15pm	VMH 2203	Lab

BMGT407 **Information Systems Projects**

BMGT407 Information Systems Projects; (3 credits) Grade Method: REG.
Prerequisite: BMGT402 and BMGT403 For Information Systems-Business majors only. Senior standing. Senior capstone course for the decision and information sciences major. Collected knowledge from the DIS courses and application to significant problems of size and complexity. State-of-the-art research ideas and current business and industrial practices in information systems. This course is restricted to Information Systems majors with 86 credit hours completed.

0101	Hassan Ibrahim MW 11:00am - 12:15pm	Seats (Total: 35) VMH 1311
0201	Hassan Ibrahim TuTh 12:30pm - 1:45pm	Seats (Total: 35) VMH 1311

BMGT410 **Government Accounting**

BMGT410 Government Accounting; (3 credits) Grade Method: REG.
Prerequisite: BMGT221. Credit will be granted for only one of the following: BMGT410 or BMGT428A. An introduction to the theory and practice of accounting and financial reporting as applied in both federal and state/local governments, with a focus on generally accepted accounting principles applicable in each. Topics include analyzing transactions; recognizing transactions in the accounting cycles; and preparing and analyzing financial statements and the overall financial reports at both the federal and state/local government levels. Restricted to accounting majors with 60 credit hours completed.

0101	Victoria Rymer, Gary Bulmash TuTh 3:30pm - 4:45pm	Seats (Total: 40) VMH 1202

BMGT411 **Ethics and Professionalism in Accounting**

BMGT411 Ethics and Professionalism in Accounting; (3 credits) Grade Method: REG.
Prerequisite: BMGT311. For accounting majors only. 86 semester hours. Analysis and discussion of issues relating to ethics and professionalism in accounting. This course limited to accounting majors with 86 credit hours completed.

0101	Stephen Loeb MW 12:30pm - 1:45pm	Seats (Total: 40) VMH 1202

0201	Stephen Loeb MW 3:30pm - 4:45pm	Seats (Total: 40) VMH 1202
0301	Nile Webb TuTh 9:30am - 10:45am	Seats (Total: 40) VMH 1303
SG91	Nile Webb MW 9:30am - 10:45am	Seats (Total: 40) SG3 3219
	Registration is restricted to Accounting Shady Grove students with 86 credits. Other students may request enrollment on a space available basis. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.	
SG92	Nile Webb MW 11:00am - 12:15pm	Seats (Total: 40) SG3 3219
	Registration is restricted to Accounting Shady Grove students with 86 credits. Other students may request enrollment on a space available basis. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.	

BMGT417 **Taxation of Corporations, Partnerships and Estates**

BMGT417 Taxation of Corporations, Partnerships and Estates; (3 credits) Grade Method: REG.
Prerequisite: BMGT221. Federal taxation of corporations using the life-cycle approach-formation, operation, assessment, merger, reorganization and liquidation. Overviews of pass-through entities - partnerships and s-corporations -using the life-cycle approach, and the tax consequences of wealth transfers by individuals - gift and estate taxation. Both tax planning and compliance issues are addressed. This course is restricted to accounting majors with 84 credit hours completed.

0101	Eugene Cantor M 7:00pm - 9:40pm	Seats (Total: 41) VMH 1520

BMGT422 **Auditing Theory and Practice**

BMGT422 Auditing Theory and Practice; (3 credits) Grade Method: REG.
Prerequisite: BMGT221. A study of the independent accountant's attest function, generally accepted auditing standards, compliance and substantive tests and report forms and opinions. This course is restricted to accounting majors.

0101	Michael Lavine MW 3:30pm - 4:45pm	Seats (Total: 46) VMH 1418
0201	James McKinney TuTh 2:00pm - 3:15pm	Seats (Total: 40) VMH 1336
0301	James McKinney TuTh 3:30pm - 4:45pm	Seats (Total: 40) VMH 1336
SG91	James McKinney MW 9:30am - 10:45am	Seats (Total: 40) SG3 4211
	Registration is restricted to Accounting Shady Grove students with 86 credits. Other students may request enrollment on a space available basis. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.	
SG92	James McKinney MW 11:00am - 12:15pm	Seats (Total: 40) SG3 4211
	Registration is restricted to Accounting Shady Grove students with 86 credits. Other students may request enrollment on a space available basis. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.	

BMGT423 **Fraud Examination**

BMGT423 Fraud Examination; (3 credits) Grade Method: REG. *Prerequisite: BMGT310.* Covers fraud prevention, detection and investigation techniques. The traditional accounting areas of fraud-fraudulent financial accounting and misappropriation of assets as well as recent and historical cases of fraud will also be examined. Current fraud topics will be discussed. This course is restricted to Accounting majors with 60 hours credit hours completed.

0101	Sandra Rose TuTh 9:30am - 10:45am	Seats (Total: 40) VMH 1418
0201	Sandra Rose TuTh 11:00am - 12:15pm	Seats (Total: 40) VMH 1418

BMGT424 **Advanced Accounting**

BMGT424 Advanced Accounting; (3 credits) Grade Method: REG. *Prerequisite: BMGT311.* Advanced accounting theory applied to specialized topics and current problems. Emphasis on consolidated statements and partnership accounting. This course is restricted to accounting majors.

0101	Victoria Rymer, Kendrall Hardy TuTh 11:00am - 12:15pm	Seats (Total: 40) VMH 1206
0201	Kendrall Hardy, Victoria Rymer TuTh 12:30pm - 1:45pm	Seats (Total: 40) VMH 1206
SG91	Kendrall Hardy MW 12:30pm - 1:45pm *Registration is restricted to Accounting Shady Grove students with 86 credits. Other students may request enrollment on a space available basis. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.*	Seats (Total: 40) SGII 2042
SG92	Kendrall Hardy MW 2:00pm - 3:15pm *Registration is restricted to Accounting Shady Grove students with 86 credits. Other students may request enrollment on a space available basis. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.*	Seats (Total: 40) SGII 2032

BMGT430 **Linear Statistical Models in Business**

BMGT430 Linear Statistical Models in Business; (3 credits) Grade Method: REG. *Prerequisite: BMGT230 or BMGT231 or permission of department.* Model building involving an intensive study of the general linear stochastic model and the applications of this model to business problems. The model is derived in matrix form and this form is used to analyze both the regression and ANOVA formulations of the general linear model. This course is restricted to BMGT majors with 84 credit hours completed or those in the Financial Markets Fellows Program (FPFM).

0101	Kazim Ruhi M 7:00pm - 9:40pm	Seats (Total: 40) VMH 1330

BMGT434 **Introduction to Optimization**

BMGT434 Introduction to Optimization; (3 credits) Grade Method: REG. *Prerequisite: MATH220 or MATH140; or equivalent. Recommended: MATH221 or MATH141. For BMGT majors only.* Introduces concepts and techniques of operations research to model and solve business decision problems, focusing on optimization and commercially available software tools. Models include linear programming, the transportation and assignment problems, network flow models, and non-linear programming. Emphasis is placed on analyzing business scenarios and formulating associated decision models. This course is restricted to BMGT majors and Quest program students with 72 credit hours completed.

0101	Michael Ball MW 11:00am - 12:15pm	Seats (Total: 45) VMH 1418

BMGT440 **Advanced Financial Management**

BMGT440 Advanced Financial Management; (3 credits) Grade Method: REG. *Prerequisite: BMGT340.* Analysis and discussion of cases and readings relating to financial decisions of the firm. The application of finance concepts to the solution of financial problems is emphasized. This course is restricted to BMGT majors with 84 credit hours completed.

0101	David Kass TuTh 3:30pm - 4:45pm	Seats (Total: 42) VMH 1528
0201	Dalida Kadyrzhanova TuTh 9:30am - 10:45am	Seats (Total: 42) VMH 1528
0301	Dalida Kadyrzhanova TuTh 11:00am - 12:15pm	Seats (Total: 42) VMH 1528
0401	David Kass TuTh 2:00pm - 3:15pm	Seats (Total: 42) VMH 1528
FP01	Susan White MW 9:30am - 10:45am *Restricted to Emerging CFO's Fellows (FPEC)*	Seats (Total: 38) VMH 1518

BMGT443 **Applied Equity Analysis and Portfolio Management**

BMGT443 Applied Equity Analysis and Portfolio Management; (3 credits) Grade Method: REG.
Prerequisite: BMGT343. Study and application of the concepts, methods, models, and empirical findings to the analysis, valuation and selection of securities, especially common stock. This course is restricted to BMGT majors with 84 credit hours completed.

0101	Joseph Perfetti Tu 7:00pm - 9:40pm	Seats (Total: 45) VMH 3505
0201	Joseph Perfetti Tu 3:30pm - 6:10pm	Seats (Total: 45) VMH 3505
0301	Joseph Perfetti M 7:00pm - 9:40pm	Seats (Total: 45) VMH 3505
0401	Joseph Perfetti M 3:30pm - 6:10pm	Seats (Total: 45) VMH 3505

BMGT444 **Futures and Options Contracts**

BMGT444 Futures and Options Contracts; (3 credits) Grade Method: REG.
Prerequisite: BMGT343. Credit will be granted for only one of the following: BMGT444 and MATH424. The institutional features and economic rationale underlying markets in futures and options. Hedging, speculation, structure of futures prices, interest rate futures, efficiency in futures markets and stock and commodity options. This course is restricted to finance majors with 84 credit hours completed.

0101	Selahattin Tuzun MW 9:30am - 10:45am	Seats (Total: 40) VMH 1412
0201	Selahattin Tuzun MW 11:00am - 12:15pm	Seats (Total: 40) VMH 1412
0301	Joseph Rinaldi TuTh 5:00pm - 6:15pm	Seats (Total: 40) VMH 1206

BMGT445 **Banking and Financial Institutions**

BMGT445 Banking and Financial Institutions; (3 credits) Grade Method: REG. *Prerequisites: BMGT340. Recommended: ECON330.* Analysis and discussion of cases and readings in commercial bank management. The loan function is emphasized; also the management of liquidity reserves, investments for income and source of funds. Bank objectives, functions, policies, organization, structure, services and regulation are considered. This course is restricted to finance majors with 84 credit hours completed.

0101	Elinda Kiss MW 9:30am - 10:45am	Seats (Total: 45) VMH 1330
0201	David Malmquist M 7:00pm - 9:40pm	Seats (Total: 45) VMH 1528
0301	Elinda Kiss MW 3:30pm - 4:45pm	Seats (Total: 46) VMH 1206
FP01	Elinda Kiss MW 11:00am - 12:15pm *Restricted to Financial Services Fellows (FPFS)*	Seats (Total: 45) VMH 1330

BMGT446 **International Finance**

BMGT446 International Finance; (3 credits) Grade Method: REG. *Prerequisite: BMGT340.* Financial management from the perspective of the multinational corporation. Topics covered include the organization and functions of foreign exchange and international capital markets, international capital budgeting, financing foreign trade and designing a global financing strategy. Emphasis of the course is on how to manage exchange and political risks while maximizing benefits from global opportunity sets faced by the firm. This course is restricted to finance and international business majors with 72 credit hours completed.

0101	Sudip Gupta MW 9:30am - 10:45am	Seats (Total: 40) VMH 1411
0201	Sudip Gupta MW 11:00am - 12:15pm	Seats (Total: 40) VMH 1411
0301	Sudip Gupta MW 2:00pm - 3:15pm	Seats (Total: 40) VMH 1411

0401	Nitin Kumar TuTh 8:00am - 9:15am	Seats (Total: 40) VMH 1336
SG91	Anshuman Sinha TuTh 11:00am - 12:15pm	Seats (Total: 40) SGII 3042
	Registration is restricted to Accounting and International Business Shady Grove students with 86 credits. Other students may request enrollment on a space available basis. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.	
SG92	Anshuman Sinha TuTh 12:30pm - 1:45pm	Seats (Total: 40) SGII 3042
	Registration is restricted to Accounting and International Business Shady Grove students with 86 credits. Other students may request enrollment on a space available basis. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.	
SG93	Karen Hallows M 1:00pm - 3:40pm	Seats (Total: 50) SGII 3032
	Registration is restricted to Accounting and International Business Shady Grove students with 86 credits. Other students may request enrollment on a space available basis. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.	

BMGT449 **Investment Fund Management: Lemma Senbet Fund; Investment Fund Management**

BMGT449 Investment Fund Management: Lemma Senbet Fund: Investment Fund Management; (3 credits) Grade Method: REG.

FP01	Sarah Kroncke TuTh 1:00pm - 3:00pm	Seats (Total: 15) VMH 3330H
	This section is restricted to students in the Smith School's Lemma Senbet Fund.	

BMGT450 **Integrated Marketing Communications**

BMGT450 Integrated Marketing Communications; (3 credits) Grade Method: REG. *Prerequisite: BMGT350. For BMGT majors only. Credit will be granted for only one of the following: BMGT354 or BMGT450. Formerly BMGT354.* In-depth study of coordinated marketing activities including advertising, sales promotion, Internet marketing, direct marketing and personal selling. Emphasizes strategic planning to effectively use these promotional tools to communicate with customers and meet marketing goals. Blends theory and current practice to provide managerial orientation. This course is restricted to BMGT majors with 60 credit hours completed.

0101	Kathleen Havey TuTh 11:00am - 12:15pm	Seats (Total: 40) VMH 1202
0201	Kathleen Havey TuTh 12:30pm - 1:45pm	Seats (Total: 40) VMH 1202
0301	Kathleen Havey TuTh 2:00pm - 3:15pm	Seats (Total: 40) VMH 1202
FP01	Katherine Boyle TuTh 3:30pm - 4:45pm *Restricted to Sports Management Fellows (FPSM).*	Seats (Total: 35) VMH 1335
SG91	Katherine Boyle TuTh 9:30am - 10:45am *Registration is restricted to Entrepreneurship and International Busine s Shady Grove students. Others may request enrollment on a space availa ble basis. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.*	Seats (Total: 45) SGII 2032
SG92	Katherine Boyle TuTh 12:30pm - 1:45pm *Registration is restricted to International Business and Marketing Shad Grove students. Others may request enrollment on a space available basi s. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.*	Seats (Total: 45) SGII 2032

BMGT451 Consumer Analysis

BMGT451 Consumer Analysis; (3 credits) Grade Method: REG.
Prerequisite: BMGT350. Recommended: PSYC100; and PSYC221. Identifying buyer behavior concepts relevant to a specific marketing problem so that appropriate marketing decisions can be made. Conceptual frameworks are drawn from psychology, sociology, economics, and other social sciences to aid in understanding the behavior of ultimate and industrial buyers. This course is restricted to marketing majors with 68 credit hours completed and general business majors with 84 credit hours completed.

0101	Simon Bensimon MW 11:00am - 12:15pm	Seats (Total: 40) VMH 1206
0201	Rebecca Ratner TuTh 9:30am - 10:45am	Seats (Total: 40) VMH 1202
0301	Rebecca Ratner TuTh 12:30pm - 1:45pm	Seats (Total: 40) VMH 1330
SG91	Simon Bensimon TuTh 11:00am - 12:15pm *Registration is restricted to International Business students with 95 c edits enrolled at Shady Grove. Other students may requestt enrollment o n a space available basis. UMCP undergraduate BMGT students are not eli gible to enroll at Shady Grove.*	Seats (Total: 35) SGII 3022
SG92	Simon Bensimon TuTh 12:30pm - 1:45pm *Registration is restricted to Marketing students with under 95 credits and enrolled at Shady Grove. Other students may request enrollment on a space available basis. UMCP undergraduate BMGT students are not eligibl e to enroll at Shady Grove.*	Seats (Total: 35) SGII 3022

BMGT452 **Marketing Research Methods**

BMGT452 Marketing Research Methods; (3 credits) Grade Method: REG.
Prerequisite: BMGT230 and BMGT350. Focuses on aiding marketing decision-making through exploratory, descriptive and casual research. Develops student skills in designing market research studies, including selection of data collection method, development of data collection instrument, sample design, collection and statistical analysis of data and reporting the results. This course is restricted to Marketing majors with 72 credit hours completed.

0101	Diane Whitney TuTh 9:30am - 10:45am	Seats (Total: 40) VMH 1333
0201	Tao Chen MW 2:00pm - 3:15pm	Seats (Total: 40) VMH 1336
0301	Tao Chen MW 12:30pm - 1:45pm	Seats (Total: 40) VMH 1336

BMGT454 **Global Marketing**

BMGT454 Global Marketing; (3 credits) Grade Method: REG.
Prerequisite: BMGT350. Marketing functions from the global executive's viewpoint, including coverage of global marketing policies relating to product adaptation, data collection and analysis, channels of distribution, pricing, communications and cost analysis. Consideration is given to the cultural, legal, financial and organizational aspects of global marketing. This course is restricted to BMGT majors with 72 credit hours completed.

0101	Amna Khawaja MW 2:00pm - 3:15pm	Seats (Total: 45) VMH 1528
0201	Amna Khawaja MW 3:30pm - 4:45pm	Seats (Total: 45) VMH 1528

BMGT455 **Sales Management**

BMGT455 Sales Management; (3 credits) Grade Method: REG.
Prerequisite: BMGT350. The roles of the sales executive as a planner, manager of resources and marketing functions and recruiter, trainer, motivator and leader of field sales personnel. Techniques and sequence of problem analysis for selling and sales management decisions and to the practical framework in which these decisions take place. Teaching vehicles feature strong classroom interactions, cases, journal articles, research findings, guest sales managers, debates, and modern company practices. This course is restricted to marketing majors with 68 credit hours completed.

0101	Mervin Yeagle TuTh 12:30pm - 1:45pm	Seats (Total: 34) VMH 1335

BMGT457 **Marketing Policies and Strategies**

BMGT457 Marketing Policies and Strategies; (3 credits) Grade Method: REG. CORE Capstone (CS) Course.
Prerequisite: BMGT350. This capstone course ties together various marketing concepts using the fundamentals of strategic market planning as the framework. Application of these principles is accomplished by analyzing and discussing cases and by playing a marketing strategy computer simulation game. Analysis of current business articles to understand the link between theory and real-world problem solving. This course is restricted to Marketing majors with 100 credit hours completed.

0101	Roxanne Lefkoff MW 9:30am - 10:45am	Seats (Total: 45) VMH 1202
0201	Roxanne Lefkoff MW 11:00am - 12:15pm	Seats (Total: 45) VMH 1202
0301	Roxanne Lefkoff TuTh 2:00pm - 3:15pm	Seats (Total: 45) VMH 1303
0401	Roxanne Lefkoff TuTh 12:30pm - 1:45pm	Seats (Total: 45) VMH 1303
SG91	Wei Shi TuTh 2:00pm - 3:15pm	Seats (Total: 30) SGII 3012
	Registration is restricted to Marketing Shady Grove majors with 100 cre its. Other students may request enrollment on a spaceavailable basis. UMCP undergraduate BMGT are not eligible to enroll at Shady Grove.	

BMGT458A **Special Topics in Marketing; Design and Innovation in Marketing**

BMGT458A Special Topics in Marketing: Design and Innovation in Marketing; (3 credits) Grade Method: REG.
Restricted to Design and Innovation Marketing Fellows.

FP01	Mary Harms TuTh 2:00pm - 3:15pm	Seats (Total: 30) VMH 1411

BMGT458I **Special Topics in Marketing; Marketing Intelligence**

BMGT458I Special Topics in Marketing: Marketing Intelligence; (3 credits) Grade Method: REG.
Prerequisite: BMGT230 with a grade of B+ or better and BMGT350.

FP01	Wolfgang Jank	Seats (Total: 30)
	W 7:00pm - 9:40pm	VMH 1307
	This course is restricted to Quantitative Marketing Fellows (FPQM) or IS and Marketing majors with 100 credits.	

BMGT461 **Entrepreneurship**

BMGT461 Entrepreneurship; (3 credits) Grade Method: REG.
Not open to students who have completed BMGT261 or BMGT361. Credit will be granted for only one of the following: BMGT261, BMGT361, or BMGT461. Process of creating new ventures, including evaluating the entrepreneurial team, the opportunity and the financing requirements. Skills, concepts, mental attitudes and knowledge relevant for starting a new business. This course is restricted to BMGT majors with 72 credit hours completed. Non-majors should register for BMGT461N.

0101	Thomas Mierzwa	Seats (Total: 24)
	Tu 7:00pm - 9:40pm	VMH 1303

BMGT461N **Entrepreneurship**

BMGT461N Entrepreneurship; (3 credits) Grade Method: REG.
Not open to students who have completed BMGT261 or BMGT361. Credit will be granted for only one of the following: BMGT261, BMGT361, or BMGT461. This course is open to all majors except BMGT with 72 credits hours completed. BMGT majors should register for BMGT461.

0101	Thomas Mierzwa	Seats (Total: 22)
	Tu 7:00pm - 9:40pm	VMH 1303

BMGT463 **Cross-cultural Challenges in Business**

BMGT463 Cross-cultural Challenges in Business; (3 credits) Grade Method: REG. *For BMGT majors only.* Examines in depth the nature of international cultural value-differences and their behavioral-related effects in the workplace. Topics include decision-making and leadership styles and reactions to various work assignments and reward structures. Restricted to Internation Business majors (0503I) with 72+ credit hours completed.

0101	Hui Liao MW 3:30pm - 4:45pm	Seats (Total: 25) VMH 1518
0201	Hui Liao MW 2:00pm - 3:15pm	Seats (Total: 25) VMH 1518

BMGT466 **Global Business Strategy**

BMGT466 Global Business Strategy; (3 credits) Grade Method: REG. *For BMGT majors only.* Focuses on the strategic challenges that directly result from and are associated with the globalization of industries and companies. Topics include drivers of industry globalization, difference between global and multi-domestic industry, global expansion strategies, sources of competitive advantage in a global context, and coordination of a company across a global network. Restricted to Internation Business majors with 72 credit hours completed

0101	Paulo Prochno TuTh 9:30am - 10:45am	Seats (Total: 40) VMH 1411
SG91	Paulo Prochno MW 11:00am - 12:15pm	Seats (Total: 30) SGII 2062
	Restriction is restricted to Internation Business Shady Grove student w th 80 credits. Other students may request enrollment on a space availab le basis. UMCP undergraduate BMGT students are not eligible to enroll a t Shady Grove.	

BMGT472 **Purchasing and Inbound Logistics**

BMGT472 Purchasing and Inbound Logistics; (3 credits) Grade Method: REG. *Prerequisite: BMGT372.* Analysis of the resupply activities of logistics management, including purchasing policies, transportation planning, and inventory control. Attention is directed toward total cost minimization and the establishment of a sustainable competitive advantage based on procurement. Restricted to Logistics, Transportation and Supply Chain Management majors.

0101	Philip Evers MW 2:00pm - 3:15pm	Seats (Total: 35) VMH 1415

BMGT475 **Supply Chain Strategy and Network Design**

BMGT475 Supply Chain Strategy and Network Design; (3 credits) Grade Method: REG.

Prerequisite: BMGT372. Analysis of the strategic aspects of supply chain management. Emphasis on the creation of end-user value through supply chain cost reductions, service improvements or both. Attention is directed toward the enabling role of technology in support of strategy evaluation and implementation. This course is restricted to Logistics and Transportation majors.

0101	Hugh Turner TuTh 12:30pm - 1:45pm	Seats (Total: 24) VMH 3522

BMGT476 **Technology Applications in Supply Chain Management**

BMGT476 Technology Applications in Supply Chain Management; (3 credits) Grade Method: REG.

Prerequisite: BMGT372. An understanding of the role of technology in managing the supply chain. Provides students with hands-on experience in advanced software systems that build on top of enterprise resource planning systems. Major emphasis is placed on demonstrating that these systems result in supply chain cost reductions and service improvements. This course is restricted to Logistics and Transportation majors.

0301	Yan Dong TuTh 2:00pm - 3:15pm *Restricted to LTSCM major.*	Seats (Total: 24) VMH 3522
FP01	Yan Dong TuTh 3:30pm - 4:45pm *Restricted to LTSCM Fellows.*	Seats (Total: 24) VMH 3522

BMGT477 **International Supply Chain Management**

BMGT477 International Supply Chain Management; (3 credits) Grade Method: REG.
The study of the importance of the supply chain management within a global context. Topics covered include: the structure, service, pricing and competitive relationships among international carriers and transport intermediaries as well as documentation, location decisions, international sourcing/distribution and management of inventory throughout the international supply chain. This course is restricted to transportation and international business majors.

0101	Gary Cohen TuTh 9:30am - 10:45am	Seats (Total: 40) VMH 1335
0201	Gary Cohen TuTh 11:00am - 12:15pm	Seats (Total: 40) VMH 1335
SG91	Koki Nagata MW 9:30am - 10:45am *Restriction is restricted to Internation Business Shady Grove student w th 80 credits. Other students may request enrollment on a space availab le basis. UMCP undergraduate BMGT students are not eligible to enroll a t Shady Grove.*	Seats (Total: 35) SGII 3012

BMGT482 **Business and Government**

BMGT482 Business and Government; (3 credits) Grade Method: REG.
Prerequisite: ECON200. Focus is on the complex interrelationships between business and government. Explores areas in which business and government are allies (cooperative research and financing program) and adversaries (regulation). Emphasizes a strategic management approach by business to government involvement in economic affairs. This course is open to all students with 53 credits.

0101	Alan Jacobs MW 3:30pm - 4:45pm	Seats (Total: 40) VMH 1307

BMGT484 **Electronic Marketing**

BMGT484 Electronic Marketing; (3 credits) Grade Method: REG.
Prerequisite: BMGT350. For BMGT majors only. Examines the process of developing, implementing and analyzing strategies for successfully marketing a variety of existing and potential products and services on the Internet. Special attention devoted to the tools and techniques unique to the electronic media. This course is restricted to BMGT majors with 60 credit hours completed.

0101	Mary Harms TuTh 9:30am - 10:45am	Seats (Total: 40) VMH 1311
0201	Mary Harms TuTh 11:00am - 12:15pm	Seats (Total: 40) VMH 1311

BMGT485 **Project Management**

BMGT485 Project Management; (3 credits) Grade Method: REG.
Prerequisite: BMGT230 or BMGT231; or equivalent. 72 semester hours. For BMGT majors only. Modern project management techniques that are used by modern practicing professionals will be covered. Particular attention is given to the management of technology based systems and projects in a business enterprise. The topics covered include: defining project scope, alignment of projects with enterprise strategy, managing project cost, time and risks using tools such as CPM/PERT, and measuring project performance. This course is restricted to BMGT majorsand Quest program students with 72 credit hours completed.

0101	Hassan Ibrahim MW 3:30pm - 4:45pm	Seats (Total: 40) VMH 1303
FP01	Barnet Corwin Tu 7:00pm - 9:40pm *This section is restricted to Music Management Fellows (FPMM).*	Seats (Total: 30) VMH 1307

BMGT486 **Total Quality Management**

BMGT486 Total Quality Management; (3 credits) Grade Method: REG.
Prerequisite: BMGT230 or equivalent. Total Quality Management and the synergy required between functions to obtain the customer's quality demands. Statistical tools which are mandatory in any successful quality effort. This course is restricted to BMGT majorsand Quest program students with 72 credit hours completed.

0101	Kazim Ruhi TuTh 11:00am - 12:15pm	Seats (Total: 35) VMH 1415

BMGT487 **Six Sigma Innovation**

BMGT487 Six Sigma Innovation; (3 credits) Grade Method: REG.
Prerequisite: BMGT230, BMGT231, STAT400 or ENME392. Enhances the overall understanding of Six Sigma Strategy, Tools and Methods to positively influence the performance of a business process, a product or service. Highlights the application of Define-Measure-Analyze-Improve-Control (DMAIC),Design For Six Sigma (DFSS), and the pursuit of Critical to Quality criteria (CTQ's) in a collaborative perspective, one that recognizes a balance between efficiency, and effectiveness and between statistical analysis and statistical thinking. This course is restricted to BMGT majors and Quest program students with 72 credit hours completed.

0101	Francis Alt TuTh 9:30am - 10:45am	Seats (Total: 40) VMH 2203
FP01	Francis Alt TuTh 11:00am - 12:15pm *This section is restricted to students in the Smith School's Business Process Fellows Program.*	Seats (Total: 40) VMH 2203

BMGT494H **Honors Study**

BMGT494H *(PermReq)* **Honors Study; (3 credits)** Grade Method: REG.
Prerequisite: BMGT493, and continued candidacy for honors in Business and Management; and permission of department.

0101	Charles Olson Th 5:00pm - 7:40pm	Seats (Total: 35) VMH 1411
0201	Russell Wermers Contact instructor or department for details.	Seats (Total: 2)

BMGT495 **Business Policies**

BMGT495 Business Policies; (3 credits) Grade Method: REG. CORE Capstone (CS) Course.
Prerequisites: BMGT340; and BMGT350; and BMGT364. For BMGT majors only. A case study course where students apply what they have learned of general management principles and their specialized functional applications to the overall management function in the enterprise. This course is restricted to graduating BMGT majors with 100 credit hours completed.

0101	Kenneth Gabriel Tu 7:00pm - 9:40pm	Seats (Total: 32) VMH 1518
0201	W Knight TuTh 9:30am - 10:45am	Seats (Total: 32) VMH 1314
0301	Yusuf Azizullah Tu 7:00pm - 9:40pm	Seats (Total: 32) VMH 1314
0401	Alan Boss TuTh 9:30am - 10:45am	Seats (Total: 32) VMH 1518
0501	W Knight TuTh 11:00am - 12:15pm	Seats (Total: 32) VMH 1314
0601	W Knight TuTh 12:30pm - 1:45pm	Seats (Total: 32) VMH 1314
0701	Sirkwoo Jin TuTh 2:00pm - 3:15pm	Seats (Total: 32) VMH 1314
0801	Sirkwoo Jin TuTh 3:30pm - 4:45pm	Seats (Total: 32) VMH 1314
0901	Gosia Langa M 7:00pm - 9:40pm	Seats (Total: 32) VMH 1314
1001	Benjamin Hallen MW 9:30am - 10:45am	Seats (Total: 32) VMH 1314
1101	Benjamin Hallen MW 11:00am - 12:15pm	Seats (Total: 32) VMH 1314

1201	Benjamin Hallen MW 12:30pm - 1:45pm	Seats (Total: 32) VMH 1314
1301	James Spina MW 2:00pm - 3:15pm	Seats (Total: 32) VMH 1314
1401	David Major MW 12:30pm - 1:45pm	Seats (Total: 32) VMH 1415
1501	James Spina MW 3:30pm - 4:45pm	Seats (Total: 32) VMH 1314
1601	Michael Lawless MW 12:30pm - 1:45pm	Seats (Total: 32) VMH 1518
1701	Yusuf Azizullah TuTh 12:30pm - 1:45pm	Seats (Total: 32) VMH 1518
1801	Yusuf Azizullah TuTh 3:30pm - 4:45pm	Seats (Total: 32) VMH 1411
FP01	Azi Gera MW 11:00am - 12:15pm *This section restricted to Sports Management Fellows (FPSM).*	Seats (Total: 32) VMH 1518
SG91	David Kressler TuTh 8:00am - 9:15am *Registration is restricted to Accounting, Entrepreneurship, General Business and International Business students at Shady Grove with 100 credit hours completed who are graduating. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.*	Seats (Total: 32) SGII 3022
SG92	David Kressler TuTh 9:30am - 10:45am *Registration is restricted to Accounting, Entrepreneurship, General Business and International Business students at Shady Grove with 100 credit hours completed who are graduating. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.*	Seats (Total: 32) SGII 3022

SG93	Gosia Langa TuTh 9:30am - 10:45am	Seats (Total: 32) SGII 3012
	Registration is restricted to Accounting, Entrepreneurship, General Business and International Business students at Shady Grove with 100 credit hours completed who are graduating. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.	
SG94	Gosia Langa TuTh 11:00am - 12:15pm	Seats (Total: 32) SGII 3012
	Registration is restricted to Accounting, Entrepreneurship, General Business and International Business students at Shady Grove with 100 credit hours completed who are graduating. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.	
SG95	Gosia Langa TuTh 12:30pm - 1:45pm	Seats (Total: 32) SGII 3012
	Registration is restricted to Accounting, Entrepreneurship, General Business and International Business students at Shady Grove with 100 credit hours completed who are graduating. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.	

BMGT495H **Business Policies**

BMGT495H *(PermReq)* **Business Policies; (3 credits)** Grade Method: REG. CORE Capstone (CS) Course.
Prerequisites: BMGT340; and BMGT350; and BMGT364. For BMGT majors only. This course is restricted to graduating BMGT honor students with 100 credit hours completed.

0101	Rhonda Reger MW 9:30am - 10:45am	Seats (Total: 33) VMH 1335

BMGT808A **Doctoral Seminar; Theories of Competition**

BMGT808A Doctoral Seminar: Theories of Competition; (3 credits) Grade Method: REG.

0101	Ken Smith W 10:00am - 12:40pm	Seats (Total: 12) VMH 2509

BMGT808D **Doctoral Seminar; Corporate Governance and Accounting**

BMGT808D *(PermReq)* **Doctoral Seminar: Corporate Governance and Accounting; (3 credits)** Grade Method: REG.
Prerequisite: permission of the department.

0101	Shijun Cheng	Seats (Total: 12)
	Tu 2:20pm - 5:00pm	VMH 2330

BMGT808E **Doctoral Seminar; Information Systems Economics**

BMGT808E Doctoral Seminar: Information Systems Economics; (3 credits) Grade Method: REG/AUD.

0101	Sivakumar Viswanathan	Seats (Total: 12)
	M 2:00pm - 4:40pm	VMH 4335

BMGT808F **Doctoral Seminar; Seminar in Operations Management**

BMGT808F Doctoral Seminar: Seminar in Operations Management; (3 credits) Grade Method: REG/AUD.

0101	Itir Karaesmen-Aydin	Seats (Total: 8)
	M 10:00am - 12:40pm	VMH 4534

BMGT808I **Doctoral Seminar; Research Methods in Informational Technology**

BMGT808I Doctoral Seminar: Research Methods in Informational Technology; (3 credits) Grade Method: REG/AUD.

0101	Henry Lucas	Seats (Total: 8)
	M 10:00am - 12:40pm	VMH 2509

BMGT808K **Doctoral Seminar; Behavioral Research in Marketing**

BMGT808K Doctoral Seminar: Behavioral Research in Marketing; (3 credits) Grade Method: REG.

0101	Joydeep Srivastava	Seats (Total: 12)
	W 12:00pm - 2:40pm	VMH 3332

BMGT808L **Doctoral Seminar; Complex Systems in Business**

BMGT808L Doctoral Seminar: Complex Systems in Business; (3 credits) Grade Method: REG/AUD.

0101	William Rand	Seats (Total: 18)
	Th 2:00pm - 4:40pm	VMH 1206

BMGT808M **Doctoral Seminar; Industrial Organization Economics**

BMGT808M Doctoral Seminar: Industrial Organization Economics; (3 credits) Grade Method: REG/AUD.

0101	Curtis Grimm	Seats (Total: 12)
	F 9:30am - 12:10pm	VMH 3330H

BMGT808P **Doctoral Seminar; Mathmatical Models in Marketing**

BMGT808P Doctoral Seminar: Mathmatical Models in Marketing; (3 credits) Grade Method: REG/AUD.

0101	Yogesh Joshi	Seats (Total: 12)
	M 9:00am - 12:00pm	VMH 1326

BMGT808X **Doctoral Seminar; Advanced Analytical Methods in Management**

BMGT808X Doctoral Seminar: Advanced Analytical Methods in Management; (3 credits) Grade Method: REG/AUD.

0101	Gilad Chen	Seats (Total: 10)
	Tu 9:30am - 12:10pm	VMH 2509

BMGT821 **Seminar in Management Accounting**

BMGT821 Seminar in Management Accounting; (3 credits) Grade Method: REG. *Prerequisite: BMGT 711 or equivalent.* Design and use of accounting information systems for managerial planning and controllership.

0101	Lawrence Gordon W 12:20pm - 3:00pm	Seats (Total: 12) VMH 4335

BMGT828 **Independent Study in Business and Management**

BMGT828 Independent Study in Business and Management; (1-9 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

BMGT828B **Independent Study in Business and Management; Financial Research Methods**

BMGT828B Independent Study in Business and Management: Financial Research Methods; (1 credit) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

BMGT828C **Independent Study in Business and Management; Workshop in Logistics, Transportation and Supply Chain**

BMGT828C Independent Study in Business and Management: Workshop in Logistics, Transportation and Supply Chain; (1 credit) Grade Method: REG/AUD.

0101	Martin Dresner M 1:00pm - 2:30pm	Seats (Total: 30) VMH 2509

BMGT828D **Independent Study in Business and Management; Cross Disciplinary Workshop in Strategy and Entrepreneurship**

BMGT828D Independent Study in Business and Management: Cross Disciplinary Workshop in Strategy and Entrepreneurship; (1 credit) Grade Method: REG/AUD.

0101	David Waguespack Th 10:00am - 12:00pm	Seats (Total: 13) VMH 2509

BMGT828E **Independent Study in Business and Management; Career and Professionalization Workshop in Management and Organization**

BMGT828E Independent Study in Business and Management: Career and Professionalization Workshop in Management and Organization; (1 credit) Grade Method: REG.

Course is required for all first and second year students enrolled in OB, HR and Strategy doctoral programs

0101	Hui Liao, Rhonda Reger	Seats (Total: 30)
	Th 10:00am - 12:00pm	VMH 2505

BMGT828F **Independent Study in Business and Management; Workshop in Finance Research**

BMGT828F Independent Study in Business and Management: Workshop in Finance Research; (1-9 credits) Grade Method: REG/AUD.

0101	Steven Heston	Seats (Total: 12)
	F 9:00am - 12:00pm	VMH 1333

BMGT828J **Independent Study in Business and Management; Research Seminar in Decision, Operations and Information Technologies**

BMGT828J Independent Study in Business and Management: Research Seminar in Decision, Operations and Information Technologies; (1 credit) Grade Method: REG/AUD.

0101	Gilvan Souza, Katherine Stewart	Seats (Total: 30)
	F 2:00pm - 3:30pm	VMH 1335

BMGT828M **Independent Study in Business and Management; Research in Mathematical Finance**

BMGT828M Independent Study in Business and Management: Research in Mathematical Finance; (1 credit) Grade Method: REG/AUD.

0101	Dilip Madan	Seats (Total: 10)
	M 1:00pm - 1:50pm	VMH 2330

BMGT831 **Operations Research: Extension of Linear Programming and Network Analysis**

BMGT831 Operations Research: Extension of Linear Programming and Network Analysis; (3 credits) Grade Method: REG.
Prerequisite: BMGT 830 or equivalent; or permission of department. Concepts and applications of network and graph theory in linear and combinatorial models with emphasis on computational algorithms.

0101	Bruce Golden	Seats (Total: 25)
	TuTh 3:30pm - 4:45pm	VMH 1415

BMGT843 **Seminar in Portfolio Theory**

BMGT843 Seminar in Portfolio Theory; (3 credits) Grade Method: REG/AUD.
Prerequisite: permission of department. Seminar in selected classic and current theoretical and empirical research in portfolio theory.

0101	Mark Loewenstein	Seats (Total: 15)
	M 2:00pm - 5:00pm	VMH 3330H

BMGT845 **Interaction of Finance and Industrial Organization**

BMGT845 Interaction of Finance and Industrial Organization; (3 credits) Grade Method: REG.
Prerequisite: BMGT840.. Recommended: BMGT841. Credit will be granted for only one of the following: BMGT808C or BMGT845. Formerly BMGT808C. The primary topics of the course concern the interaction between the firm's real decisions and its financial decisions in different equilibrium industrial organization settings. This course will involve a fair amount of microeconomics and industrial organization in addition to finance. Both theoretical articles and empirical articles will be covered and discussed. We will emphasize the link between theoretical and empirical research in both industrial organization and corporate finance.

0101	Gordon Phillips	Seats (Total: 12)
	M 9:00am - 12:00pm	VMH 3330H

BMGT866 **Seminar in Group Processes, Organizational Conflict and Change**

BMGT866 Seminar in Group Processes, Organizational Conflict and Change; (3 credits) Grade Method: REG/AUD.
Review of theories and research in organizational development, group processes, group conflict and resolutions.

0101	Paul Tesluk	Seats (Total: 12)
	Th 1:00pm - 3:40pm	VMH 2509

BMGT881 **Applied Regression Models**

BMGT881 Applied Regression Models; (3 credits) Grade Method: REG/AUD.
An introduction to regression models used in business research. Linear models, nonparametric methods, spatio-temporal models, methods for functional data, choice models, and methods for hierarchical, clustered and networked data. Hands-on learning via discussion of scholarly business papers, implementation using advanced statistical software, and application to research questions.

0101	Wolfgang Jank	Seats (Total: 12)
	W 2:00pm - 4:40pm	VMH 3509

BMGT882 **Applied Multivariate Analysis I**

BMGT882 Applied Multivariate Analysis I; (3 credits) Grade Method: REG/AUD.
Prerequisite: ECON 621, ECON 624, EDMS 651, STAT 450 or permission of department. Multivariate statistical methods and their use in empirical research. Topics include summarization and visualization of multivariate data, principal components, metric multidimensional scaling, canonical correlation, multivariate paired comparisons and repeated-measures designs, multivariate analysis of variance, and discriminant analysis. The maximum likelihood and likelihood ratio principles are also discussed. An important component of the course is analysis of business data using contemporary software.

0101	Mahesh Kumar	Seats (Total: 18)
	W 2:00pm - 4:40pm	VMH 2509

BMGT898 **Pre-Candidacy Research**

BMGT898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

BMGT899 **Doctoral Dissertation Research**

BMGT899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

BSCI Biological Sciences Program Spring 2009

BSCI103 **The World of Biology**

BSCI courses are offered by the Biological Science Program and individual College of Chemical and Life Sciences departments, as indicated.

The sponsoring department for each course is provided in the course listing. Consult the sponsoring department if you have questions about an individual course (sponsoring departments BIOL - Department of Biology, 2227 Biol-Psyc Building; BSCI - Biological Sciences Program, 1322 Symons Hall; CBMG - Department of Cell Biology and Molecular Genetics, 1219 H.J. Patterson Building; ENTM - Entomology, 4112 PLS Building).

Registration of BSCI course sections which begin with "SES*" is restricted to Post-Baccalaureate students who enroll through the Science in the Evening Program in the College of Life Sciences. Please note that this class is charged at the regular part-time tuition rate (on a per credit basis), even for full- time students. To register or to learn more about the Science in the Evening program, you must contact the Life Sciences Outreach and Special Programs Office at (301) 405-6892.

The following courses may involve the use of animals. Students who are concerned about the use of animals in teaching have the responsibility to consult the instructor prior to course enrollment to determine whether animals are to be used in the course, whether class exercises involving animals are optional or required, and what alternatives, if any, are available.

The College of Chemical and Life Sciences enforces course prerequisites. Students who do not meet the course prerequisites will be administratively dropped from the course.

Lab start dates will be posted on the Life Sciences Web Page. www.chemlife.umd.edu

BSCI103 The World of Biology; (4 credits) Grade Method: REG. CORE Life Science Lab (LL) Course.

Formerly: BIOL101 and BIOL102. An introduction to modern biology for the non-science major. Major themes include molecular biology, cell biology, evolution and organismal biology. Relevance of study of biology to modern human life will be emphasized. Course not acceptable toward degree in College of Chemical and Life Sciences. (Sponsoring Dept.: BSCI). Students must pay a $40.00 Laboratory Materials fee.

1100	Michael Raupp, Marcia Shofner TuTh 12:30pm - 1:45pm M 8:00am - 10:50am	Seats (Total: 23) ARC 0204 HJP 1105	 Lab
1101	Michael Raupp, Marcia Shofner TuTh 12:30pm - 1:45pm M 11:00am - 1:50pm	Seats (Total: 23) ARC 0204 HJP 1105	 Lab

1103	Marcia Shofner, Michael Raupp TuTh 12:30pm - 1:45pm M 2:00pm - 4:50pm	Seats (Total: 23) ARC 0204 HJP 1105	 Lab
1105	Michael Raupp, Marcia Shofner TuTh 12:30pm - 1:45pm M 5:00pm - 7:50pm	Seats (Total: 23) ARC 0204 HJP 1105	 Lab
1107	Michael Raupp, Marcia Shofner TuTh 12:30pm - 1:45pm Tu 8:00am - 10:50am	Seats (Total: 23) ARC 0204 HJP 1105	 Lab
1109	Marcia Shofner, Michael Raupp TuTh 12:30pm - 1:45pm Tu 2:00pm - 4:50pm	Seats (Total: 23) ARC 0204 HJP 1105	 Lab
1111	Michael Raupp, Marcia Shofner TuTh 12:30pm - 1:45pm Tu 5:00pm - 7:50pm	Seats (Total: 23) ARC 0204 HJP 1105	 Lab
1117	Michael Raupp, Marcia Shofner TuTh 12:30pm - 1:45pm W 2:00pm - 4:50pm	Seats (Total: 23) ARC 0204 HJP 1105	 Lab

BSCI103M **The World of Biology**

BSCI103M *(PermReq)* **The World of Biology; (4 credits)** Grade Method: REG. CORE Life Science Lab (LL) Course.
Formerly: BIOL101 and BIOL102. Must be taken within 12 months of the semester in which BSCI 103 is taken. A student is eligible to take this course only if the lab scores received in BSCI 103 the last time it was taken totalled at least 80 percent of the maximum possible total. These scores will count for part of the grade in BSCI 103M.

0101	Michael Raupp TuTh 12:30pm - 1:45pm	Seats (Total: 20) ARC 0204

BSCI105 **Principles of Biology I**

BSCI105 Principles of Biology I; (4 credits) Grade Method: REG/P-F/AUD. CORE Life Science Lab (LL) Course.
Prerequisite: Math eligibility of in MATH111 or higher. For science majors. Formerly BIOL105. Basic principles of biology with special emphasis on cellular and molecular biology. (Sponsoring Dept.: BSCI) Students must pay a $40.00 Laboratory Materials fee.

5118	John O'Connor MWF 9:00am - 9:50am Tu 6:00pm - 8:50pm	Seats (Total: 22) BRB 1101 HJP 1236	Lab
5119	John O'Connor MWF 9:00am - 9:50am Tu 8:00am - 10:50am	Seats (Total: 22) BRB 1101 HJP 1236	Lab
5122	John O'Connor MWF 9:00am - 9:50am M 2:00pm - 4:50pm	Seats (Total: 22) BRB 1101 HJP 1236	Lab
5124	John O'Connor MWF 9:00am - 9:50am Tu 8:00am - 10:50am	Seats (Total: 22) BRB 1101 HJP 1235	Lab
5125	John O'Connor MWF 9:00am - 9:50am W 11:00am - 1:50pm	Seats (Total: 22) BRB 1101 HJP 1226	Lab
5126	John O'Connor MWF 9:00am - 9:50am Th 8:00am - 10:50am	Seats (Total: 22) BRB 1101 HJP 1236	Lab
5127	John O'Connor MWF 9:00am - 9:50am M 11:00am - 1:50pm	Seats (Total: 20) BRB 1101 HJP 1226	Lab
5130	John O'Connor MWF 9:00am - 9:50am W 2:00pm - 4:50pm	Seats (Total: 22) BRB 1101 HJP 1226	Lab

5135	John O'Connor MWF 9:00am - 9:50am Th 11:00am - 1:50pm	Seats (Total: 21) BRB 1101 HJP 1125	Lab
5137	John O'Connor MWF 9:00am - 9:50am Th 11:00am - 1:50pm	Seats (Total: 22) BRB 1101 HJP 1226	Lab
5141	John O'Connor MWF 9:00am - 9:50am Th 2:00pm - 4:50pm	Seats (Total: 22) BRB 1101 HJP 1226	Lab
5142	John O'Connor MWF 9:00am - 9:50am Th 2:00pm - 4:50pm	Seats (Total: 21) BRB 1101 HJP 1125	Lab
5151	John O'Connor MWF 9:00am - 9:50am Th 8:00am - 10:50am	Seats (Total: 22) BRB 1101 HJP 1226	Lab
5221	Judd Nelson MWF 10:00am - 10:50am M 11:00am - 1:50pm	Seats (Total: 21) BRB 1101 HJP 1125	Lab
5222	Judd Nelson MWF 10:00am - 10:50am M 11:00am - 1:50pm	Seats (Total: 22) BRB 1101 HJP 1235	Lab
5223	Judd Nelson MWF 10:00am - 10:50am M 2:00pm - 4:50pm	Seats (Total: 21) BRB 1101 HJP 1125	Lab
5224	Judd Nelson MWF 10:00am - 10:50am M 2:00pm - 4:50pm	Seats (Total: 22) BRB 1101 HJP 1226	Lab
5225	Judd Nelson MWF 10:00am - 10:50am Tu 8:00am - 10:50am	Seats (Total: 21) BRB 1101 HJP 1125	Lab

5226	Judd Nelson MWF 10:00am - 10:50am Tu 11:00am - 1:50pm	Seats (Total: 21) BRB 1101 HJP 1125	Lab
5228	Judd Nelson MWF 10:00am - 10:50am Tu 11:00am - 1:50pm	Seats (Total: 22) BRB 1101 HJP 1226	Lab
5230	Judd Nelson MWF 10:00am - 10:50am Tu 2:00pm - 4:50pm	Seats (Total: 22) BRB 1101 HJP 1236	Lab
5231	Judd Nelson MWF 10:00am - 10:50am Tu 2:00pm - 4:50pm	Seats (Total: 21) BRB 1101 HJP 1125	Lab
5232	Judd Nelson MWF 10:00am - 10:50am W 11:00am - 1:50pm	Seats (Total: 21) BRB 1101 HJP 1125	Lab
5233	Judd Nelson MWF 10:00am - 10:50am W 11:00am - 1:50pm	Seats (Total: 22) BRB 1101 HJP 1236	Lab
5234	Judd Nelson MWF 10:00am - 10:50am Tu 6:00pm - 8:50pm	Seats (Total: 21) BRB 1101 HJP 1125	Lab
5241	Judd Nelson MWF 10:00am - 10:50am W 11:00am - 1:50pm	Seats (Total: 22) BRB 1101 HJP 1235	Lab
5242	Judd Nelson MWF 10:00am - 10:50am W 2:00pm - 4:50pm	Seats (Total: 22) BRB 1101 HJP 1236	Lab
5243	Judd Nelson MWF 10:00am - 10:50am W 2:00pm - 4:50pm	Seats (Total: 22) BRB 1101 HJP 1125	Lab

5245	Judd Nelson MWF 10:00am - 10:50am Th 8:00am - 10:50am	Seats (Total: 20) BRB 1101 HJP 1125	Lab
5321	Patricia Shields, Michael Keller MWF 1:00pm - 1:50pm M 2:00pm - 4:50pm	Seats (Total: 22) BRB 1101 HJP 1235	Lab
5322	Patricia Shields, Michael Keller MWF 1:00pm - 1:50pm Tu 11:00am - 1:50pm	Seats (Total: 22) BRB 1101 HJP 1235	Lab
5323	Michael Keller, Patricia Shields MWF 1:00pm - 1:50pm Tu 11:00am - 1:50pm	Seats (Total: 22) BRB 1101 HJP 1236	Lab
5324	Patricia Shields, Michael Keller MWF 1:00pm - 1:50pm Tu 2:00pm - 4:50pm	Seats (Total: 22) BRB 1101 HJP 1235	Lab
5325	Michael Keller, Patricia Shields MWF 1:00pm - 1:50pm W 8:00am - 10:50am	Seats (Total: 22) BRB 1101 HJP 1236	Lab
5326	Michael Keller, Patricia Shields MWF 1:00pm - 1:50pm W 2:00pm - 4:50pm	Seats (Total: 22) BRB 1101 HJP 1235	Lab
5327	Michael Keller, Patricia Shields MWF 1:00pm - 1:50pm Th 11:00am - 1:50pm	Seats (Total: 22) BRB 1101 HJP 1235	Lab
5328	Patricia Shields, Michael Keller MWF 1:00pm - 1:50pm Th 11:00am - 1:50pm	Seats (Total: 22) BRB 1101 HJP 1236	Lab
5330	Michael Keller, Patricia Shields MWF 1:00pm - 1:50pm Th 2:00pm - 4:50pm	Seats (Total: 22) BRB 1101 HJP 1236	Lab

5332	Patricia Shields, Michael Keller MWF 1:00pm - 1:50pm W 8:00am - 10:50am	Seats (Total: 22) BRB 1101 HJP 1235	 Lab
5333	Patricia Shields, Michael Keller MWF 1:00pm - 1:50pm Th 8:00am - 10:50am	Seats (Total: 22) BRB 1101 HJP 1235	 Lab
5352	Patricia Shields, Michael Keller MWF 1:00pm - 1:50pm F 8:00am - 10:50am	Seats (Total: 22) BRB 1101 HJP 1235	 Lab
5353	Patricia Shields, Michael Keller MWF 1:00pm - 1:50pm F 8:00am - 10:50am	Seats (Total: 22) BRB 1101 HJP 1226	 Lab
SES1	James Sniezek Th 6:00pm - 9:00pm Tu 6:00pm - 9:00pm *This section is restricted to students who enroll through the Science i Evening program. Please visit http://professionalstudies.umd.edu/sie/ for complete program details including program eligibility information, tuition and fee information and registration instructions. This section may not be added on Testudo.*	Seats (Total: 20) PLS 1130 HJP 1235	 Lab
SES2	James Sniezek Th 6:00pm - 9:00pm Tu 6:00pm - 9:00pm *This section is restricted to students who enroll through the Science i Evening program. Please visit http://professionalstudies.umd.edu/sie/ for complete program details including program eligibility information, tuition and fee information and registration instructions. This section may not be added on Testudo.*	Seats (Total: 20) PLS 1130 HJP 1226	 Lab

BSCI105M **Principles of Biology I**

BSCI105M *(PermReq)* **Principles of Biology I; (4 credits)** Grade Method: REG/P-F/AUD. CORE Life Science Lab (LL) Course.
Prerequisite: Math eligibility of in MATH111 or higher. For science majors. Formerly BIOL105. Must be taken within twelve months of the semester in which BSCI 105 is taken. A student is eligible to take this course only if the lab scores received in BSCI 105 the last time it was taken, totalled at least 80 percent of the maximum possible total. These scores will count for part of the grade in BSCI 105M.

5121	John O'Connor MWF 9:00am - 9:50am	Seats (Total: 10) BRB 1101	
5221	Judd Nelson MWF 10:00am - 10:50am	Seats (Total: 10) BRB 1101	
5321	Michael Keller, Patricia Shields MWF 1:00pm - 1:50pm	Seats (Total: 10) BRB 1101	

BSCI105S **Principles of Biology I**

BSCI105S Principles of Biology I; (4 credits) Grade Method: REG/P-F/AUD. CORE Life Science Lab (LL) Course.
Prerequisite: Math eligibility of in MATH111 or higher. For science majors. Formerly BIOL105.

5127	John O'Connor MWF 9:00am - 9:50am M 11:00am - 1:50pm	Seats (Total: 2) BRB 1101 HJP 1226	 Lab
5229	Judd Nelson MWF 10:00am - 10:50am Tu 2:00pm - 4:50pm	Seats (Total: 20) BRB 1101 HJP 1226	 Lab
5329	Michael Keller, Patricia Shields MWF 1:00pm - 1:50pm Th 2:00pm - 4:50pm	Seats (Total: 20) BRB 1101 HJP 1235	 Lab

BSCI105U **Principles of Biology I**

BSCI105U Principles of Biology I; (4 credits) Grade Method: REG/P-F/AUD. CORE Life Science Lab (LL) Course.
Prerequisite: Math eligibility of in MATH111 or higher. For science majors. Formerly BIOL105.

5120	John O'Connor MWF 9:00am - 9:50am M 11:00am - 1:50pm	Seats (Total: 0) BRB 1101 HJP 1236	 Lab

5123	John O'Connor MWF 9:00am - 9:50am Tu 8:00am - 10:50am	Seats (Total: 0) BRB 1101 HJP 1226	Lab

BSCI106 **Principles of Biology II**

BSCI106 Principles of Biology II; (4 credits) Grade Method: REG/P-F/AUD. CORE Life Science Lab (LL) Course.
Prerequisite: Math eligibility or MATH111 or higher. For science majors. Formerly BIOL106. Basic principles of biology with special emphasis on organismal, ecological and evolutionary biology. (Sponsoring Dept.: BSCI). Students must pay a $40.00 Laboratory Materials fee.

6114	Marcia Shofner MWF 1:00pm - 1:50pm M 10:00am - 12:50pm	Seats (Total: 23) TYD 0130 HJP 2104	Lab
6122	Marcia Shofner MWF 1:00pm - 1:50pm Tu 8:00am - 10:50am	Seats (Total: 23) TYD 0130 HJP 2104	Lab
6123	Marcia Shofner MWF 1:00pm - 1:50pm Tu 11:00am - 1:50pm	Seats (Total: 23) TYD 0130 HJP 2103	Lab
6124	Marcia Shofner MWF 1:00pm - 1:50pm Tu 11:00am - 1:50pm	Seats (Total: 23) TYD 0130 HJP 2104	Lab
6126	Marcia Shofner MWF 1:00pm - 1:50pm Tu 2:00pm - 4:50pm	Seats (Total: 23) TYD 0130 HJP 2104	Lab
6132	Marcia Shofner MWF 1:00pm - 1:50pm W 10:00am - 12:50pm	Seats (Total: 23) TYD 0130 HJP 2104	Lab
6135	Marcia Shofner MWF 1:00pm - 1:50pm W 2:00pm - 4:50pm	Seats (Total: 23) TYD 0130 HJP 2103	Lab

6136	Marcia Shofner MWF 1:00pm - 1:50pm W 2:00pm - 4:50pm	Seats (Total: 23) TYD 0130 HJP 2104	 Lab
6141	Marcia Shofner MWF 1:00pm - 1:50pm Th 8:00am - 10:50am	Seats (Total: 23) TYD 0130 HJP 2103	 Lab
6142	Marcia Shofner MWF 1:00pm - 1:50pm Th 8:00am - 10:50am	Seats (Total: 23) TYD 0130 HJP 2104	 Lab
6143	Marcia Shofner MWF 1:00pm - 1:50pm Th 11:00am - 1:50pm	Seats (Total: 23) TYD 0130 HJP 2103	 Lab
6144	Marcia Shofner MWF 1:00pm - 1:50pm Th 11:00am - 1:50pm	Seats (Total: 23) TYD 0130 HJP 2104	 Lab
6146	Marcia Shofner MWF 1:00pm - 1:50pm Th 2:00pm - 4:50pm	Seats (Total: 23) TYD 0130 HJP 2104	 Lab
6148	Marcia Shofner MWF 1:00pm - 1:50pm Th 5:00pm - 7:50pm	Seats (Total: 23) TYD 0130 HJP 2104	 Lab
6211	Marjorie Reaka TuTh 12:30pm - 1:45pm M 10:00am - 12:50pm	Seats (Total: 23) BRB 1101 HJP 2103	 Lab
6215	Marjorie Reaka TuTh 12:30pm - 1:45pm M 3:00pm - 5:50pm	Seats (Total: 23) BRB 1101 HJP 2103	 Lab
6216	Marjorie Reaka TuTh 12:30pm - 1:45pm M 3:00pm - 5:50pm	Seats (Total: 23) BRB 1101 HJP 2104	 Lab

6221	Marjorie Reaka TuTh 12:30pm - 1:45pm Tu 8:00am - 10:50am	Seats (Total: 23) BRB 1101 HJP 2103	Lab
6225	Marjorie Reaka TuTh 12:30pm - 1:45pm Tu 2:00pm - 4:50pm	Seats (Total: 23) BRB 1101 HJP 2103	Lab
6227	Marjorie Reaka TuTh 12:30pm - 1:45pm Tu 5:00pm - 7:50pm	Seats (Total: 23) BRB 1101 HJP 2103	Lab
6231	Marjorie Reaka TuTh 12:30pm - 1:45pm W 8:00am - 10:50am	Seats (Total: 23) BRB 1101 HJP 2103	Lab
6233	Marjorie Reaka TuTh 12:30pm - 1:45pm W 11:00am - 1:50pm	Seats (Total: 23) BRB 1101 HJP 2103	Lab
6245	Marjorie Reaka TuTh 12:30pm - 1:45pm Th 2:00pm - 4:50pm	Seats (Total: 23) BRB 1101 HJP 2103	Lab

BSCI106M **Principles of Biology II**

BSCI106M *(PermReq)* **Principles of Biology II; (4 credits)** Grade Method: REG/P-F/AUD. CORE Life Science Lab (LL) Course.
Prerequisite: Math eligibility or MATH111 or higher. For science majors. Formerly BIOL106. Must be taken within twelve months of the semester in which BSCI 106 is taken. A student is eligible to take this course only if the lab scores received in BSCI 106 the last time it was taken, totalled at least 80 percent of the maximum possible total. These scores will count for part of the grade in BSCI 106M.

6140	Marcia Shofner MWF 1:00pm - 1:50pm	Seats (Total: 10) TYD 0130
6240	Marjorie Reaka TuTh 12:30pm - 1:45pm	Seats (Total: 10) BRB 1101

BSCI120 **Insects**

BSCI120 Insects; (3 credits) Grade Method: REG/P-F/AUD. CORE Life Science (LS) Course.

Formerly ENTM100. A survey of the major groups of insects, their natural history, and their relationships with humans and their environment. Course not acceptable toward major requirements in the College of Chemical and Life Sciences. (Sponsoring Dept.: ENTM)

0101	Earlene Armstrong TuTh 2:00pm - 2:50pm Tu 12:00pm - 12:50pm	Seats (Total: 24) HJP 0226 PLS 1161	 Discussion
0102	Earlene Armstrong TuTh 2:00pm - 2:50pm Tu 1:00pm - 1:50pm	Seats (Total: 24) HJP 0226 PLS 1161	 Discussion
0103	Earlene Armstrong TuTh 2:00pm - 2:50pm Th 12:00pm - 12:50pm	Seats (Total: 24) HJP 0226 PLS 1161	 Discussion
0104	Earlene Armstrong TuTh 2:00pm - 2:50pm Th 1:00pm - 1:50pm	Seats (Total: 24) HJP 0226 PLS 1161	 Discussion
0105	Earlene Armstrong TuTh 2:00pm - 2:50pm Th 3:00pm - 3:50pm	Seats (Total: 24) HJP 0226 PLS 1161	 Discussion

BSCI124 **Plant Biology for Non-Science Students**

BSCI124 Plant Biology for Non-Science Students; (3 credits) Grade Method: REG/P-F/AUD.
CORE Life Sciences Lab (LL) Course only when taken concurrently with BSCI 125. For non-science majors only. Not open to students who have completed BSCI105/BIOL105. Formerly PBIO100. A basic course in plant biology specifically designed for the non-science student. Emphasis is placed on an evolutionary and ecological approach to studying fundamental concepts and processes of plants, their place in the biosphere, the importance of plants to man, and the manner in which humans impact on plants and their environment. This course will not count toward graduation requirements for any student in the College of Chemistry and Life Sciences or the College of Agriculture and Natural Resources. "CORE Life Sciences Lab (LL) Course only when taken concurrently with BSCI 125. (Sponsoring Dept.: CBMG)

1001	Todd Cooke TuTh 9:30am - 10:45am	Seats (Total: 90) HJP 2242	
2001	Edgar Moctezuma TuTh 11:00am - 12:15pm	Seats (Total: 210) HJP 0226	

BSCI125 **Plant Biology Laboratory**

BSCI125 Plant Biology Laboratory; (1 credit) Grade Method: REG/P-F/AUD.
CORE Life Sciences Lab (LL) Course only when taken concurrently with BSCI 124. Corequisite: 124. For non-science majors only. Not open to students who have completed BSCI105. Credit will be granted for only one of the following: BSCI105 or BSCI125. Formerly PBIO101. An introduction to the biology of plants with emphasis on the processes by which plants function, the diversity of plants, and the importance of plants to humans. This course will not count toward graduation requirements for any student in the College of Chemistry and Life Sciences or the College of Agriculture and Natural Resources. CORE Lab Science. "CORE Life Sciences Lab (LL) Course only when taken concurrently with BSCI 124. (Sponsoring Dept.: CBMG) Students must pay a $40.00 Laboratory Materials fee.

1103	Edgar Moctezuma M 12:00pm - 2:00pm	Seats (Total: 24) HJP 3104	Lab
1104	Edgar Moctezuma M 12:00pm - 2:00pm	Seats (Total: 24) HJP 3127	Lab

1105	Edgar Moctezuma M 3:00pm - 5:00pm	Seats (Total: 24) HJP 3104	Lab
1106	Edgar Moctezuma M 3:00pm - 5:00pm	Seats (Total: 24) HJP 3127	Lab
1107	Edgar Moctezuma Tu 12:30pm - 2:30pm	Seats (Total: 24) HJP 3104	Lab
1109	Edgar Moctezuma Tu 3:30pm - 5:30pm	Seats (Total: 24) HJP 3104	Lab
1110	Edgar Moctezuma Tu 3:30pm - 5:30pm	Seats (Total: 24) HJP 3127	Lab
1111	Edgar Moctezuma W 9:00am - 11:00am	Seats (Total: 24) HJP 3104	Lab
1112	Edgar Moctezuma W 9:00am - 11:00am	Seats (Total: 24) HJP 3127	Lab
1113	Edgar Moctezuma W 12:00pm - 2:00pm	Seats (Total: 24) HJP 3104	Lab
1115	Edgar Moctezuma W 3:00pm - 5:00pm	Seats (Total: 24) HJP 3104	Lab
1118	Edgar Moctezuma Th 12:30pm - 2:30pm	Seats (Total: 24) HJP 3127	Lab

BSCI201 **Human Anatomy and Physiology I**
Contact department for information to register for this course.

BSCI202 **Human Anatomy and Physiology II**

BSCI202 Human Anatomy and Physiology II; (4 credits) Grade Method: REG/P-F/AUD.
Prerequisite: BSCI201 or permission of department. Formerly ZOOL202. Anatomy and physiology of the cardiovascular, respiratory, immune, digestive, urinary and reproductive systems. Course not acceptable toward major requirements in the College of Chemistry and Life Sciences. (Sponsoring Dept.: BIOL). Students must pay a $40.00 Laboratory Materials fee.

0101	Justicia Opoku-Edusei MWF 12:00pm - 12:50pm M 9:00am - 11:50am	Seats (Total: 24) BRB 1101 BPS 0205	 Lab
0102	Justicia Opoku-Edusei MWF 12:00pm - 12:50pm M 1:00pm - 3:50pm	Seats (Total: 24) BRB 1101 BPS 0205	 Lab
0103	Justicia Opoku-Edusei MWF 12:00pm - 12:50pm M 4:00pm - 6:50pm	Seats (Total: 24) BRB 1101 BPS 0205	 Lab
0104	Justicia Opoku-Edusei MWF 12:00pm - 12:50pm Tu 8:00am - 10:50am	Seats (Total: 24) BRB 1101 BPS 0205	 Lab
0105	Justicia Opoku-Edusei MWF 12:00pm - 12:50pm Tu 11:00am - 1:50pm	Seats (Total: 24) BRB 1101 BPS 0205	 Lab
0106	Justicia Opoku-Edusei MWF 12:00pm - 12:50pm Tu 2:00pm - 4:50pm	Seats (Total: 24) BRB 1101 BPS 0205	 Lab
0107	Justicia Opoku-Edusei MWF 12:00pm - 12:50pm W 9:00am - 11:50am	Seats (Total: 24) BRB 1101 BPS 0205	 Lab
0108	Justicia Opoku-Edusei MWF 12:00pm - 12:50pm W 1:00pm - 3:50pm	Seats (Total: 24) BRB 1101 BPS 0205	 Lab

0109	Justicia Opoku-Edusei MWF 12:00pm - 12:50pm W 4:00pm - 6:50pm	Seats (Total: 24) BRB 1101 BPS 0205	Lab
0110	Justicia Opoku-Edusei MWF 12:00pm - 12:50pm Th 11:00am - 1:50pm	Seats (Total: 24) BRB 1101 BPS 0205	Lab
0111	Justicia Opoku-Edusei MWF 12:00pm - 12:50pm Th 2:00pm - 4:50pm	Seats (Total: 24) BRB 1101 BPS 0205	Lab
0112	Justicia Opoku-Edusei MWF 12:00pm - 12:50pm F 9:00am - 11:50am	Seats (Total: 24) BRB 1101 BPS 0205	Lab
0113	Justicia Opoku-Edusei MWF 12:00pm - 12:50pm Th 6:00pm - 8:50pm	Seats (Total: 24) BRB 1101 BPS 0205	Lab
0114	Justicia Opoku-Edusei MWF 12:00pm - 12:50pm M 7:00pm - 9:50pm	Seats (Total: 24) BRB 1101 BPS 0205	Lab
0115	Justicia Opoku-Edusei MWF 12:00pm - 12:50pm Tu 6:00pm - 8:50pm	Seats (Total: 24) BRB 1101 BPS 0205	Lab
0116	Justicia Opoku-Edusei MWF 12:00pm - 12:50pm W 7:00pm - 9:50pm	Seats (Total: 24) BRB 1101 BPS 0205	Lab
0117	Justicia Opoku-Edusei MWF 12:00pm - 12:50pm F 1:00pm - 3:50pm	Seats (Total: 24) BRB 1101 BPS 0205	Lab

BSCI205 Environmental Science

BSCI205 Environmental Science; (3 credits) Grade Method: REG/P-F/AUD. CORE Life Science (LS) Course.
Formerly PBIO235. Basic ecological principles as they relate to the ecological dilemmas of overpopulation, pollution, increasing consumption of natural resources, and deteriorating land use ethics facing mankind today. Course not acceptable toward major requirements in the College of Chemistry and Life Sciences. (Sponsoring Dept.: BIOL)

0101	Penelope Koines MW 1:00pm - 1:50pm Th 8:00am - 8:50am	Seats (Total: 22) BPS 1250 PLS 1162	Discussion
0102	Penelope Koines MW 1:00pm - 1:50pm Th 9:30am - 10:20am	Seats (Total: 22) BPS 1250 PLS 1162	Discussion
0103	Penelope Koines MW 1:00pm - 1:50pm Th 11:00am - 11:50am	Seats (Total: 22) BPS 1250 PLS 1162	Discussion
0104	Penelope Koines MW 1:00pm - 1:50pm F 9:00am - 9:50am	Seats (Total: 22) BPS 1250 PLS 1158	Discussion
0105	Penelope Koines MW 1:00pm - 1:50pm F 10:00am - 10:50am	Seats (Total: 22) BPS 1250 PLS 1158	Discussion
0106	Penelope Koines MW 1:00pm - 1:50pm F 11:00am - 11:50am	Seats (Total: 22) BPS 1250 PLS 1158	Discussion

BSCI206 **Chesapeake: A Living Resource**

BSCI206 Chesapeake: A Living Resource; (3 credits) Grade Method: REG/P-F/AUD. CORE Life Science (LS) Course.
Credit will be granted for only one of the following: BSCI206 or BSCI373. Formerly PBIO255. The living resources of the Chesapeake Bay from an ecosystem perspective. Designed for non-science majors, it will acquaint students with the Bay's watershed, its physical environment, and its living organisms, with an emphasis on the connections between these factors. Understanding the relationships between physical, chemical and biological processes will equip students to comprehend and appreciate the remarkable productivity of our estuary, as well as provide them with the knowledge needed to protect the Bay. Course not acceptable toward major requirements in the College of Chemistry and Life Sciences. (Sponsoring Dept.: BIOL).

0101	Penelope Koines MWF 11:00am - 11:50am	Seats (Total: 55) HJP 2242

BSCI207 **Principles of Biology III - Organismal Biology**

BSCI207 Principles of Biology III - Organismal Biology; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: BSCI105 and BSCI106. Pre- or corequisite: CHEM103 or CHEM131; or equivalent. Credit will be granted for only one of the following: BSCI207 or BSCI279D. The diversity, structure and function of organisms as understood from the perspective of their common physicochemical principles and unique evolutionary histories.

0101	Todd Cooke, Jeffrey Jensen MWF 9:00am - 9:50am	Seats (Total: 250) BPS 1250
0201	William Higgins, Bretton Kent MWF 11:00am - 11:50am	Seats (Total: 250) BRB 1101

BSCI222 **Principles of Genetics**

BSCI222 Principles of Genetics; (4 credits) Grade Method: REG/P-F/AUD.
Prerequisite: {BSCI105 and BSCI106 and (CHEM131 and CHEM132)} or {BSCI105 and two semesters of chemistry}. Credit will be granted for only one of the following: BIOL222 or BSCI222. Formerly BIOL222. Principles and mechanisms of heredity and gene expression. Considers plant, animal, and microbial organisms. (Sponsoring Dept.: BSCI).

7108	David Straney MWF 10:00am - 10:50am M 1:00pm - 2:50pm	Seats (Total: 21) SKN 0200 CHE 2145	Discussion
7110	David Straney MWF 10:00am - 10:50am M 3:00pm - 4:50pm	Seats (Total: 21) SKN 0200 PLS 1164	Discussion
7112	David Straney MWF 10:00am - 10:50am M 5:00pm - 6:50pm	Seats (Total: 21) SKN 0200 PLS 1172	Discussion
7114	David Straney MWF 10:00am - 10:50am Tu 8:00am - 9:50am	Seats (Total: 21) SKN 0200 PLS 1168	Discussion
7116	David Straney MWF 10:00am - 10:50am Tu 10:00am - 11:50am	Seats (Total: 21) SKN 0200 PLS 1158	Discussion
7118	David Straney MWF 10:00am - 10:50am Tu 12:00pm - 1:50pm	Seats (Total: 21) SKN 0200 CHE 2118	Discussion
7120	David Straney MWF 10:00am - 10:50am Th 4:00pm - 5:50pm	Seats (Total: 21) SKN 0200 PLS 1184	Discussion
7124	David Straney MWF 10:00am - 10:50am W 8:00am - 9:50am	Seats (Total: 21) SKN 0200 PLS 1162	Discussion
7126	David Straney MWF 10:00am - 10:50am Th 12:00pm - 1:50pm	Seats (Total: 21) SKN 0200 CHE 2118	Discussion
7130	David Straney MWF 10:00am - 10:50am Th 2:00pm - 3:50pm	Seats (Total: 21) SKN 0200 CHE 2118	Discussion

7210	Raymond StLeger TuTh 12:30pm - 1:45pm Tu 4:00pm - 5:50pm	Seats (Total: 21) HJP 0226 CHE 2118	Discussion
7212	Raymond StLeger TuTh 12:30pm - 1:45pm W 10:00am - 11:50am	Seats (Total: 21) HJP 0226 PLS 1168	Discussion
7214	Raymond StLeger TuTh 12:30pm - 1:45pm W 12:00pm - 1:50pm	Seats (Total: 21) HJP 0226 PLS 1172	Discussion
7216	Raymond StLeger TuTh 12:30pm - 1:45pm W 2:00pm - 3:50pm	Seats (Total: 21) HJP 0226 PLS 1164	Discussion
7218	Raymond StLeger TuTh 12:30pm - 1:45pm W 4:00pm - 5:50pm	Seats (Total: 21) HJP 0226 PLS 1164	Discussion
7220	Raymond StLeger TuTh 12:30pm - 1:45pm Th 8:00am - 9:50am	Seats (Total: 21) HJP 0226 PLS 1168	Discussion
7222	Raymond StLeger TuTh 12:30pm - 1:45pm Th 10:00am - 11:50am	Seats (Total: 21) HJP 0226 PLS 1158	Discussion
7224	Raymond StLeger TuTh 12:30pm - 1:45pm Tu 2:00pm - 3:50pm	Seats (Total: 21) HJP 0226 PLS 1111	Discussion
7226	Raymond StLeger TuTh 12:30pm - 1:45pm Tu 6:00pm - 7:50pm	Seats (Total: 21) HJP 0226 PLS 1172	Discussion

BSCI223 General Microbiology

BSCI223 General Microbiology; (4 credits) Grade Method: REG/P-F/AUD. CORE Life Science Lab (LL) Course.
Prerequisite: BSCI105. Credit will be granted for only one of the following: BSCI122 or BSCI223. Formerly MICB200. Fundamental concepts in morphology, physiology, genetics, immunology, ecology, and pathogenic microbiology. Applications of microbiology to medicine, the food industry and biotechnology. (Sponsoring Dept.: CBMG) Students must pay a $40.00 Laboratory Materials fee.

1021	Daniel Stein TuTh 11:00am - 11:50am TuTh 9:00am - 10:50am	Seats (Total: 18) BRB 1101 MCB 1201	Lab
1025	Daniel Stein TuTh 11:00am - 11:50am TuTh 9:00am - 10:50am	Seats (Total: 18) BRB 1101 MCB 1205	Lab
1026	Daniel Stein TuTh 11:00am - 11:50am TuTh 9:00am - 10:50am	Seats (Total: 18) BRB 1101 MCB 1206	Lab
1101	Daniel Stein TuTh 11:00am - 11:50am MW 10:00am - 11:50am	Seats (Total: 18) BRB 1101 MCB 1201	Lab
1105	Daniel Stein TuTh 11:00am - 11:50am MW 10:00am - 11:50am	Seats (Total: 18) BRB 1101 MCB 1205	Lab
1125	Daniel Stein TuTh 11:00am - 11:50am TuTh 12:00pm - 1:50pm	Seats (Total: 18) BRB 1101 MCB 1205	Lab
1126	Daniel Stein TuTh 11:00am - 11:50am TuTh 12:00pm - 1:50pm	Seats (Total: 18) BRB 1101 MCB 1206	Lab
1201	Daniel Stein TuTh 11:00am - 11:50am MW 12:00pm - 1:50pm	Seats (Total: 18) BRB 1101 MCB 1201	Lab

1205	Daniel Stein TuTh 11:00am - 11:50am MW 12:00pm - 1:50pm	Seats (Total: 18) BRB 1101 MCB 1205	 Lab
1206	Daniel Stein TuTh 11:00am - 11:50am MW 12:00pm - 1:50pm	Seats (Total: 18) BRB 1101 MCB 1206	 Lab
1221	Daniel Stein TuTh 11:00am - 11:50am TuTh 2:00pm - 3:50pm	Seats (Total: 18) BRB 1101 MCB 1201	 Lab
1225	Daniel Stein TuTh 11:00am - 11:50am TuTh 2:00pm - 3:50pm	Seats (Total: 18) BRB 1101 MCB 1205	 Lab
1226	Daniel Stein TuTh 11:00am - 11:50am TuTh 2:00pm - 3:50pm	Seats (Total: 18) BRB 1101 MCB 1206	 Lab
1301	Daniel Stein TuTh 11:00am - 11:50am MW 2:00pm - 3:50pm	Seats (Total: 18) BRB 1101 MCB 1201	 Lab
1305	Daniel Stein TuTh 11:00am - 11:50am MW 2:00pm - 3:50pm	Seats (Total: 18) BRB 1101 MCB 1205	 Lab
1306	Daniel Stein TuTh 11:00am - 11:50am MW 2:00pm - 3:50pm	Seats (Total: 18) BRB 1101 MCB 1206	 Lab
SES1	David Rollins TuTh 6:00pm - 6:50pm TuTh 7:00pm - 9:00pm *This section is restricted to students who enroll through the Science i Evening program. Please visit http://professionalstudies.umd.edu/sie/ for complete program details including program eligibility information, tuition and fee information and registration instructions. This section may not be added on Testudo.*	Seats (Total: 18) MCB 1207 MCB 1201	 Lab

SES2	David Rollins	Seats (Total: 18)	
	TuTh 6:00pm - 6:50pm	MCB 1207	
	TuTh 7:00pm - 9:00pm	MCB 1205	Lab

This section is restricted to students who enroll through the Science i Evening program. Please visit http://professionalstudies.umd.edu/sie/ for complete program details including program eligibility information, tuition and fee information and registration instructions. This section may not be added on Testudo.

BSCI258 **College Park Scholars Internship**

BSCI258 College Park Scholars Internship; (1-3 credits) Grade Method: REG/P-F/AUD.

8005	Rebecca Kenemuth, John Hellman	Seats (Total: 80)
	Contact instructor or department for details.	

BSCI279 **Supplemental Study; Supplemental Study in Biology**

BSCI279 *(PermReq)* **Supplemental Study: Supplemental Study in Biology; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
(Sponsoring Dept.: BIOL).

Contact department for information to register for this course.

BSCI279B **Supplemental Study; Strategies for Success in Chemical and Life Sciences**

BSCI279B *(PermReq)* **Supplemental Study: Strategies for Success in Chemical and Life Sciences; (1 credit)** Grade Method: REG/P-F/AUD.

0101	Joelle Presson, Marcia Shofner	Seats (Total: 30)
	Th 12:00pm - 1:50pm	HJP 1105

BSCI279C **Supplemental Study; Catalyst Program Seminar**
Contact department for information to register for this course.

BSCI279L **Supplemental Study; Biology I Laboratory**
Contact department for information to register for this course.

BSCI279N **Supplemental Study; Biology II Laboratory**

Contact department for information to register for this course.

BSCI279Q **Supplemental Study; Readings in Neurophysiology**

BSCI279Q *(PermReq)* **Supplemental Study: Readings in Neurophysiology; (1 credit)** Grade Method: REG/P-F/AUD.

0101	Elizabeth Quinlan	Seats (Total: 10)
	Contact instructor or department for details.	

BSCI279R **Supplemental Study; Undergraduate Research Rotation**

BSCI279R *(PermReq)* **Supplemental Study: Undergraduate Research Rotation; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
(Sponsoring Dept.: CBMG).

Contact department for information to register for this course.

BSCI288 **Internship; Field Experience**

BSCI288 *(PermReq)* **Internship: Field Experience; (1-6 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

BSCI288E **Internship**

BSCI288E *(PermReq)* **Internship; (1-3 credits)** Grade Method: REG/P-F/AUD.

0101	Instructor: TBA	Seats (Total: 10)
	Contact instructor or department for details.	

BSCI289 **Off-Campus Internship**

BSCI289 *(PermReq)* **Off-Campus Internship; (1-3 credits)** Grade Method: S-F. This course provides credit for off-campus research internships. This credit counts as elective toward graduation, but does not satisfy any Biological Sciences degree requirements (For information about research credit that does count toward Biological Sciences contact the Biological Sciences Program, room 1322 Symons Hall). The off-campus internship credit requires that a contract form be filed with the Director of Undergraduate Research and Internship Programs, Room 1313 Symons Hall, prior to the internship. The contract must be finalized and signed by the research supervisor at the end of the semester before credit will be awarded.

1110	Katerina Thompson Contact instructor or department for details.	Seats (Total: 10)

BSCI329 **Instructional Assistance Practicum**

BSCI329 *(PermReq)* **Instructional Assistance Practicum; (1-2 credits)** Grade Method: REG/P-F/AUD.

1070	Reid Compton Contact instructor or department for details.	Seats (Total: 5)
1150	William Higgins Contact instructor or department for details.	Seats (Total: 5)
1190	William Jeffery Contact instructor or department for details.	Seats (Total: 5)
1357	Marcia Shofner Contact instructor or department for details.	Seats (Total: 5)
2210	Instructor: TBA Contact instructor or department for details.	Seats (Total: 5)

BSCI330 **Cell Biology and Physiology**

BSCI330 Cell Biology and Physiology; (4 credits) Grade Method: REG/P-F/AUD. *Prerequisite: grade of C (2.0) or better in {BSCI105 and (CHEM131 and CHEM132)}. Not open to students who have completed BSCI230. Credit will be granted for only one of the following: BSCI230 or BSCI330. Formerly BSCI230.* Biochemical and physiological mechanisms underlying cellular function. Properties of cells which make life possible and mechanisms by which cells provide energy, reproduce, and regulate and integrate with each other and their environment. Sponsoring DEPT: BIOL. Specialization Areas: PHNB, CEBG, MICB, ECEV, and GENB. Students must pay a $40.00 Laboratory Materials fee.

0101	Reid Compton MWF 9:00am - 9:50am M 11:00am - 1:50pm	Seats (Total: 22) HJP 0226 BPS 0207	 Lab
0102	Reid Compton MWF 9:00am - 9:50am M 2:00pm - 4:50pm	Seats (Total: 22) HJP 0226 BPS 0207	 Lab
0103	Reid Compton MWF 9:00am - 9:50am M 6:00pm - 8:50pm	Seats (Total: 22) HJP 0226 BPS 0207	 Lab
0104	Reid Compton MWF 9:00am - 9:50am Tu 9:30am - 12:20pm	Seats (Total: 22) HJP 0226 BPS 0207	 Lab
0105	Reid Compton MWF 9:00am - 9:50am Tu 2:00pm - 4:50pm	Seats (Total: 22) HJP 0226 BPS 0207	 Lab
0106	Reid Compton MWF 9:00am - 9:50am W 11:00am - 1:50pm	Seats (Total: 22) HJP 0226 BPS 0207	 Lab
0107	Reid Compton MWF 9:00am - 9:50am W 2:00pm - 4:50pm	Seats (Total: 22) HJP 0226 BPS 0207	 Lab
0108	Reid Compton MWF 9:00am - 9:50am Th 9:30am - 12:20pm	Seats (Total: 22) HJP 0226 BPS 0207	 Lab

0109	Reid Compton MWF 9:00am - 9:50am Th 2:00pm - 4:50pm	Seats (Total: 22) HJP 0226 BPS 0207	 Lab
0110	Reid Compton MWF 9:00am - 9:50am F 11:00am - 1:50pm	Seats (Total: 22) HJP 0226 BPS 0207	 Lab
1101	June Kwak TuTh 9:30am - 10:45am M 2:00pm - 4:50pm	Seats (Total: 24) BRB 1101 BPS 0213	 Lab
1102	June Kwak TuTh 9:30am - 10:45am Tu 11:00am - 1:50pm	Seats (Total: 24) BRB 1101 BPS 0213	 Lab
1103	June Kwak TuTh 9:30am - 10:45am Tu 2:30pm - 5:20pm	Seats (Total: 24) BRB 1101 BPS 0213	 Lab
1104	June Kwak TuTh 9:30am - 10:45am Tu 6:00pm - 8:50pm	Seats (Total: 24) BRB 1101 BPS 0213	 Lab
1106	June Kwak TuTh 9:30am - 10:45am W 2:00pm - 4:50pm	Seats (Total: 24) BRB 1101 BPS 0213	 Lab
1107	June Kwak TuTh 9:30am - 10:45am Th 11:00am - 1:50pm	Seats (Total: 24) BRB 1101 BPS 0213	 Lab
1108	June Kwak TuTh 9:30am - 10:45am Th 2:30pm - 5:20pm	Seats (Total: 24) BRB 1101 BPS 0213	 Lab

SES1	Elizabeth Read-Connole Tu 6:30pm - 9:30pm Th 6:30pm - 9:30pm	Seats (Total: 20) BPS 0283 BPS 0207	 Lab
	This section is restricted to students who enroll through the Science i Evening program. Please visit http://professionalstudies.umd.edu/sie/ for complete program details including program eligibility information, tuition and fee information and registration instructions. This section may not be added on Testudo.		

BSCI334 **Mammalogy**

BSCI334 Mammalogy; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: A grade of C (2.0) or better in {BSCI106 and BSCI207}. Credit will be granted for only one of the following: BSCI334 or BSCI338M. Formerly BSCI338M. Introduction to the biology of mammals, including evolution, physiological, and behavioral specializations. Specialization Areas: GENB and ECEV.

0101	Katerina Thompson TuTh 12:30pm - 1:45pm	Seats (Total: 75) PLS 1140	

BSCI335 **Mammalogy Laboratory**

BSCI335 Mammalogy Laboratory; (1 credit) Grade Method: REG/P-F/AUD.
Prerequisite: A grade of C (2.0) in {BSCI106 and BSCI334 (formerly BSCI338M)}. Corequisite: BSCI334 (formerly BSCI338M). Credit will be granted for only one of the following: BSCI335 or BSCI338U. Formerly BSCI338U. Lab and field techniques for the study of mammals, focusing on their identification, anatomy, histology, spatial distribution, ecology, and behavior. Students must pay a $40.00 Laboratory Materials fee.

0101	Katerina Thompson Tu 2:00pm - 4:50pm	Seats (Total: 20) HJP 2230	 Lab
0102	Katerina Thompson W 2:00pm - 4:50pm	Seats (Total: 20) HJP 2230	 Lab
0103	Katerina Thompson Th 2:00pm - 4:50pm	Seats (Total: 20) HJP 2230	 Lab

BSCI337 **Biology of Insects**

BSCI337 Biology of Insects; (4 credits) Grade Method: REG/AUD.
Prerequisite: BSCI106 or {PLSC100 and PLSC101}; or permission of department. Credit will be granted for only one of the following: BSCI227 or BSCI337. Formerly BSCI227. An overview of the biology, evolution and diversity of insects and their relatives. Insect morphology, physiology, behavior and ecology; the impact of insects on humanity and the management of pest insect populations; assembly of an insect collection is required. Specialization Areas: GENB and ECEV.

0101	Jian Wang	Seats (Total: 18)	
	TuTh 9:30am - 10:45am	PLS 1111	
	M 2:00pm - 4:50pm	PLS 1161	Lab
0102	Jian Wang	Seats (Total: 18)	
	TuTh 9:30am - 10:45am	PLS 1111	
	Tu 2:00pm - 4:50pm	PLS 1161	Lab

BSCI338E **Special Topics in Biology; Neuroethology**

BSCI338E Special Topics in Biology: Neuroethology; (3 credits) Grade Method: REG/P-F/AUD.
Prerequites: BSCI106 and BSCI330. Acceptable towards Biological Speciali zation Areas: PHNB and GENB.

0101	Catherine Carr	Seats (Total: 30)	
	TuTh 12:30pm - 1:45pm	PLS 1113	

BSCI338L **Special Topics in Biology; Developmental Biology Lab**

BSCI338L Special Topics in Biology: Developmental Biology Lab; (2 credits) Grade Method: REG/P-F/AUD.
Pre- or corequisite: BSCI 430 or the equivalent. Applicable to the following Biological Sceinces Specialization Areas: PHNB, ECEV, ZOOL, CEBG, and GENB. Sponsoring Dept: BIOL. Students must pay a $40.00 lab materials fee. Students will use a combination of living and prepared materials to explore developmental mechanisms in a variety of organisms.

0101	Eric Haag, William Jeffery	Seats (Total: 20)	
	M 1:00pm - 1:50pm	PLS 1171	
	M 2:00pm - 4:50pm	PLS 1171	Lab

BSCI338O **Special Topics in Biology; Cell Biology from a Biophysical Perspective**

BSCI338O Special Topics in Biology: Cell Biology from a Biophysical Perspective; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: BSCI230 or BSCI330; recommended one semester of physics. Acceptable towards Biological Sciences Specialization Areas: ZOOL, PHNB, GENB, and GEBG. Sponsoring Dept: BIOL. Students must pay a $40.00 Laboratory Materials fee. This course will approach cell biology by focusing on mechanisms and unifying paradigms. It will not assume a great deal of factual biological knowledge, but will expecta background that prepares students to think quantitatively and mechanistically.

0101	Sergei Sukharev	Seats (Total: 15)	
	TuTh 3:30pm - 4:45pm	PLS 1180	

BSCI338P **Special Topics in Biology; Pathophysiology of Circulatory System**

BSCI338P Special Topics in Biology: Pathophysiology of Circulatory System; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: BSCI230 or BSCI330; or permission of instructor. Acceptable towards Biological Sciences Speciailization Areas: ZOOL, PHNB, GENB, and CEBG. (Sponsoring Dept: BIOL). Seminar course focusing on the physiology of the cardiovascular system and on the rationales behind the development of specific drugs and intervention methodologies used in the treatments of pathological conditions.

0101	Ibrahim Ades	Seats (Total: 25)	
	W 3:00pm - 5:30pm	PLS 1115	

BSCI338Q **Special Topics in Biology; Conservation Laboratory**

BSCI338Q Special Topics in Biology: Conservation Laboratory; (1 credit) Grade Method: REG/P-F/AUD.
Prerequisites: Co- or prerequisite: BSCI 363. Sponsoring department (BIOL). Acceptable towards Biological Sciences Program Specialization Areas: ZOOL (EEB area); BEES (elective); GENB (category II). Also, acceptable as restricted elective in ENSP-Biodiversity & Conservation Biology.

0101	Leo Shapiro	Seats (Total: 20)	
	M 2:00pm - 4:50pm	BPS 0275	Lab

0201	Leo Shapiro	Seats (Total: 20)	
	W 2:00pm - 4:50pm	BPS 0275	Lab

BSCI338V **Special Topics in Biology; Biology of Vision**

BSCI338V Special Topics in Biology: Biology of Vision; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: BSCI230 or BSCI330. Recommended: BSCI222. Acceptable towards Biological Sciences Specialization areas: PHNB and GENB. Sponsoring Dept: BIOL.

0101	Karen Carleton	Seats (Total: 40)
	TuTh 12:30pm - 1:45pm	PLS 1119

BSCI338W **Special Topics in Biology; Animal Communication**

BSCI338W Special Topics in Biology: Animal Communication; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: BSCI106. Acceptable towards Biological Sciences Specialization areas: ECEV and GENB. Sponsoring department: BIOL.

0101	Gerald Wilkinson	Seats (Total: 20)
	TuTh 11:00am - 12:15pm	PLS 1130

BSCI338Z **Special Topics in Biology; Field Research**

BSCI338Z *(PermReq)* **Special Topics in Biology: Field Research; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Cannot be used as credit toward the major requirements for any Biological Sciences major. Contact the Biology Department Undergraduate Office for course information. Formerly ZOOL 328Z. (Sponsoring Dept.: BIOL).

Contact department for information to register for this course.

BSCI348 **Special Topics in Cell Biology and Molecular Genetics**

BSCI348 *(PermReq)* **Special Topics in Cell Biology and Molecular Genetics; (1-4 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
May be repeated but only 3 credits may be applied to major requirements. (Sponsoring Dept.: CBMG).

Contact department for information to register for this course.

BSCI348A **Special Topics in Cell Biology and Molecular Genetics; Scientific Teaching Internship**

BSCI348A *(PermReq)* **Special Topics in Cell Biology and Molecular Genetics: Scientific Teaching Internship; (3 credits)** Grade Method: REG/P-F/AUD. Students will act as Undergraduate Teaching Assistants for BSCI223. Prerequisite: A or B in BSCI223 and permission of instructor. Student must be available for one of the BSCI223 lab periods. Students interested in this teaching/leadership opportunity should contact Dr. Ann C. Smith for application information: asmith@umd.edu. This course is applicable for the Enrichment credits required of all Biological Sciences students in majors with 0404 codes. For others this is elective credit. Formerly: BSCI348U.

0101	Ann Smith	Seats (Total: 22)
	W 8:00am - 8:50am	PLS 1129
	Contact instructor or department for details.	

BSCI348P **Special Topics in Cell Biology and Molecular Genetics; General Biology Teaching Practicum**

BSCI348P *(PermReq)* **Special Topics in Cell Biology and Molecular Genetics: General Biology Teaching Practicum; (3 credits)** Grade Method: REG/P-F/AUD. Students will learn about methodologies and curriculum tools applicable to the field of undergraduate science education; the practicum component of the course will allow students to directly apply such innovative approaches through an undergraduate teaching assistantship (UTA) in conjunction with BSCI105. Prerequisite: A or B in BSCI105 and permission of instructor. Student must be available for one of the BSCI105 lecture periods (MWF 1-1:50pm). Students interested in this teaching/leadership opportunity should contact either Dr. Patricia Shields (pshields@umd.edu) or Jeffrey Olimpo (jeolimpo@umd.edu) for further information. This course is applicable for the Enrichment credits required of all Biological students in majors with 0404 codes. For others this is an elective credit.

0101	Patricia Shields W 10:00am - 10:50am Contact instructor or department for details.	Seats (Total: 20) PLS 1162	

BSCI348R **Special Topics in Cell Biology and Molecular Genetics; Microbiology Internship**

BSCI348R *(PermReq)* **Special Topics in Cell Biology and Molecular Genetics: Microbiology Internship; (1-4 credits)** Grade Method: REG/P-F/AUD.
This course is an opportunity for students interested in microbiology to pursue a research project in an off-campus lab. The student must see the instructor and complete an information sheet found on the web site, prior to enrolling in the course. Web site: http://www.life.umd.edu/CBMG/progrms/department/micb388r.html

0101	Najib El-Sayed Contact instructor or department for details.	Seats (Total: 20)	

BSCI361 **Principles of Ecology**

BSCI361 Principles of Ecology; (4 credits) Grade Method: REG/P-F.
Prerequisites: BSCI106 and (MATH140 or MATH220). Formerly ZOOL328N. Basic principles of population, community, and ecosystem ecology. Use of these principles to predict possible consequences of human-caused changes in the environment and to understand the level of uncertainty of those predictions. (Sponsoring Dep.: BIOL). Acceptable toward Biological Sciences Specialization Areas: ECEV and GENB.

0101	Irwin Forseth TuTh 2:00pm - 3:15pm M 1:00pm - 1:50pm	Seats (Total: 24) PLS 1130 BPS 1234	 Discussion
0102	Irwin Forseth TuTh 2:00pm - 3:15pm M 2:00pm - 2:50pm	Seats (Total: 24) PLS 1130 BPS 1234	 Discussion
0103	Irwin Forseth TuTh 2:00pm - 3:15pm M 3:00pm - 3:50pm	Seats (Total: 24) PLS 1130 BPS 1234	 Discussion

BSCI363 **The Biology of Conservation and Extinction**

BSCI363 The Biology of Conservation and Extinction; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: BSCI106. Formerly ZOOL312. Ecology, evolutionary biology, and paleontology will be applied to the study of conservation, species invasions, and extinction. (Sponsoring Dept.: BIOL). Prerequisite: BSCI 106. Acceptable toward Biological Sciences Specialization areas: ECEV and GENB.

0101	Leo Shapiro	Seats (Total: 85)
	MWF 11:00am - 11:50am	BPS 1243

BSCI370 **Principles of Evolution**

BSCI370 Principles of Evolution; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: BSCI106. Formerly ZOOL328Q. Understanding evolutionary processes in a natural and human environment, including adaption; DNA sequence, protein, and genome evolution; evolution of developmental mechanisms; mechanisms of evolutionary change (mutation, natural selection, drift); epidemiology; coevolution and biological control; speciation; comparative methods; extinction and conservation; human evolution. Specialization Areas: PHNB, GENB, and ECEV.

0101	Cristian Castillo-Davis	Seats (Total: 40)
	MWF 12:00pm - 12:50pm	BPS 0283

BSCI378H **Cell Biology and Molecular Genetics Department Honors Seminar**

BSCI378H Cell Biology and Molecular Genetics Department Honors Seminar; (1 credit) Grade Method: REG.
Repeatable to 6 credits. Formerly MICB388H. Required seminar for all students participating in departmental honors research program. This course is restricted to students participating in the CBMG Departmental Honors Program. If you are interested in a CBMG Departmental Honors Research experience, please see the web site for detailed information. Web site: http://www.life.umd.edu/CBMG/progrms/department/honors.html

0101	Caren Chang	Seats (Total: 18)
	F 1:00pm - 1:50pm	MCB 2119

BSCI379G **Cell Biology and Molecular Genetics Department Research; Research in Cell Biology and Molecular Genetics**

BSCI379G *(PermReq)* **Cell Biology and Molecular Genetics Department Research: Research in Cell Biology and Molecular Genetics; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Permission required. Formerly MICB399G. (Sponsoring Dept: CBMG). http://www.life.umd.edu/CBMG/progrms/department/undreas.html Click here for more course information.

Contact department for information to register for this course.

BSCI379H **Cell Biology and Molecular Genetics Department Honors Research**

BSCI379H *(PermReq)* **Cell Biology and Molecular Genetics Department Honors Research; (1-3 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: admission to departmental honors program. Repeatable to 8 credits if content differs. Formerly MICB379. Student should consult program guidelines. Research project carried out under guidance of faculty advisor. Corequisite: BSCI 378H. Only open to CBMG departmental honors students. (Sponsoring Dept.: CBMG). If you are interested in joining the CBMG Departmental Honors Program, please see detailed information on the program web site. Web site: http://www.life.umd.edu/CBMG/progrms/department/honors.html Click here for more course information.

Contact department for information to register for this course.

BSCI379P **Cell Biology and Molecular Genetics Department Research; Research in Plant Biology**

BSCI379P *(PermReq)* **Cell Biology and Molecular Genetics Department Research: Research in Plant Biology; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Permission required. Formerly PBIO399. (Sponsering Dept: CBMG). http://www.life.umd.edu/CBMG/progrms/department/undreas.html Click here for more course information.

Contact department for information to register for this course.

BSCI389 **Entomology Department Research**

BSCI389 *(PermReq)* **Entomology Department Research; (1-2 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Formerly ENTM 399. (Sponsoring Dept.: ENTM).

Contact department for information to register for this course.

BSCI389H **Entomology Department Honors Research**

BSCI389H *(PermReq)* **Entomology Department Honors Research; (1-2 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.
(Sponsoring Dept.: ENTM).

Contact department for information to register for this course.

BSCI394 **Vertebrate Form and Function**

BSCI394 Vertebrate Form and Function; (3 credits) Grade Method: REG. *Prerequisites: BSCI105 and BSCI106; and BSCI224, BSCI230, or BSCI330. Formerly ZOOL328F.* Comparative functional anatomy of vertebrates in the context of adaptation to their environments. The vertebrate body and its systems will be considered in terms of structure, physiology, evolution, and embryonic development. Specialization Areas: PHNB, ECEV, and GENB.

0101	Jeffrey Jensen	Seats (Total: 30)
	TuTh 9:30am - 10:45am	PLS 1113

BSCI398H **Biology Department Honors Seminar**

BSCI398H *(PermReq)* **Biology Department Honors Seminar; (1 credit)** Grade Method: REG/P-F/AUD.
Prerequisite: permission of department. Formerly ZOOL308H. Required seminar for all students participating in departmental honors research program. Prerequisite: permission of department. Formerly ZOOL308H. (Sponsoring Dept: BIOL)

1000	Marjorie Reaka	Seats (Total: 30)
	M 4:00pm - 4:50pm	BPS 1230

BSCI399 **Biology Department Research; Biology Department Research**

BSCI399 *(PermReq)* **Biology Department Research: Biology Department Research; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Formerly ZOOL 319. (Sponsoring Dept.: BIOL)

Contact department for information to register for this course.

BSCI399H **Biology Department Honors Research**

BSCI399H *(PermReq)* **Biology Department Honors Research; (1-2 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: participation in the Biology Department Honors Program. Repeatable to 8 credits if content differs. Formerly ZOOL318H. A laboratory research problem; required each semester during honors participation and culminating in an honors thesis. Fomerly ZOOL 318H. (Sponsoring Dept.: BIOL).

Contact department for information to register for this course.

BSCI410 **Molecular Genetics**

BSCI410 Molecular Genetics; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisites: BSCI222 (or equivalent) and CHEM233 or (CHEM231 and CHEM232). Formerly ZOOL446. An advanced genetics course emphasizing the molecular basis of gene structure and function in the context of modern approaches to the genetics of humans and model organisms. (Sponsoring Dept.: CBMG) Acceptable toward Biological Sciences specialization areas: PHNB, MICB, CEBG, GENB and ECEV.

0101	Zhongchi Liu TuTh 11:00am - 12:15pm	Seats (Total: 70) MCB 1207
0201	Leslie Pick TuTh 12:30pm - 1:45pm	Seats (Total: 60) MCB 1207

BSCI412 **Microbial Genetics**

BSCI412 Microbial Genetics; (4 credits) Grade Method: REG/P-F/AUD. *Prerequisites: BSCI223 and BSCI222. Formerly MICB485.* A laboratory/lecture based course that covers the fundamentals of mutation, mobile genetic elements and transmission genetics of microbial organisms using both classical and molecular approaches. (Sponsoring Dept: CBMG). Acceptable toward Biological Sciences Specialization Areas: MICB, CEBG, and GENB. Students must pay a $40.00 Laboratory Materials fee.

0101	Vincent Lee TuTh 10:00am - 10:50am TuTh 12:30pm - 2:30pm	Seats (Total: 18) MCB 1207 MCB 1143	 Lab
0102	Vincent Lee TuTh 10:00am - 10:50am TuTh 12:30pm - 2:30pm	Seats (Total: 18) MCB 1207 MCB 1138	 Lab
0103	Vincent Lee TuTh 10:00am - 10:50am TuTh 3:00pm - 5:00pm	Seats (Total: 18) MCB 1207 MCB 1143	 Lab
0104	Vincent Lee TuTh 10:00am - 10:50am TuTh 3:00pm - 5:00pm	Seats (Total: 18) MCB 1207 MCB 1138	 Lab

BSCI413 **Recombinant DNA**
Contact department for information to register for this course.

BSCI417 **Microbial Pathogenesis**

BSCI417 Microbial Pathogenesis; (3 credits) Grade Method: REG/P-F/AUD. CORE Capstone (CS) Course.
Prerequisite: BSCI222 and BSCI223. Junior standing. Credit will be granted for only one of the following: BSCI348M or BSCI417. Formerly BSCI348M. Current research in microbial pathogenesis and the molecular and cellular basis of bacterial disease. Comprehensive overview of the molecular basis of pathogenesis with a focus on model microbial systems to illustrate mechanisms of disease pathogenesis. Topics covered: how microorganisms attach to and enter cells; how host cells are damaged by microbial products; how the host responds to invasion; and host-pathogen evolution. Specialization Areas: CEBG, MICB and GENB.

0101	Lianyong Gao MW 4:00pm - 5:15pm	Seats (Total: 25) MCB 1207	

BSCI420 **Cell Biology Lectures**

BSCI420 Cell Biology Lectures; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisites: BSCI230 or BSCI330; and BSCI222; and CHEM233. Credit will be granted for only one of the following: BSCI420 or BSCI421. Formerly ZOOL410.* Molecular and biochemical bases of cellular organization and function in eukaryotes. (Sponsoring Dept.: CBMG). Acceptable toward Biological Sciences Specialization Areas: PHNB, CEBG, and GENB.

0101	Byrn Quimby TuTh 11:00am - 12:15pm	Seats (Total: 37) PLS 1140	

BSCI421 **Cell Biology**

BSCI421 Cell Biology; (4 credits) Grade Method: REG/P-F/AUD. *Prerequisites: BSCI230 or BSCI330; and BSCI222; and CHEM233. Formerly: PBIO400 and ZOOL411. Credit will be granted for only one of the following: BSCI420 or BSCI421.* Molecular and biochemical basis of cellular organization and function in eukaryotes. (Sponsoring Dept.: CBMG). Acceptable toward Biological Sciences Specialization Areas: PHNB, CEBG, and GENB. Formerly PBIO 400 and ZOOL 411. Students must pay a $40.00 Laboratory Materials fee.

0101	Byrn Quimby TuTh 11:00am - 12:15pm Tu 1:00pm - 4:50pm	Seats (Total: 22) PLS 1140 PLS 1171	 Lab
0102	Byrn Quimby TuTh 11:00am - 12:15pm W 1:00pm - 4:50pm	Seats (Total: 22) PLS 1140 PLS 1171	 Lab

BSCI422 **Principles of Immunology**

BSCI422 Principles of Immunology; (3 credits) Grade Method: REG.
Prerequisites: BSCI222 and BSCI223. Recommended: BSCI230 or BSCI330. Junior or Senior standing. Formerly MICB454. The immune system in health and disease. Presentation and analysis of the cellular and molecular processes that comprise the immune system. Acceptable toward Biological Sciences Specialization Areas: PHNB, MICB, CEBG, and GENB. Also offered as CBMG699W.

0101	David Mosser, Kenneth Frauwirth MW 12:00pm - 12:50pm Th 12:30pm - 1:20pm	Seats (Total: 25) PLS 1140 HJP 1229	 Discussion
0102	David Mosser, Kenneth Frauwirth MW 12:00pm - 12:50pm F 2:00pm - 2:50pm	Seats (Total: 25) PLS 1140 HJP 1229	 Discussion
0103	Kenneth Frauwirth, David Mosser MW 12:00pm - 12:50pm F 11:00am - 11:50am	Seats (Total: 25) PLS 1140 HJP 1229	 Discussion
0104	David Mosser, Kenneth Frauwirth MW 12:00pm - 12:50pm F 1:00pm - 1:50pm	Seats (Total: 25) PLS 1140 HJP 1229	 Discussion
SG91	Nancy Noben-Trauth MW 9:00am - 9:50am Tu 11:00am - 11:50am *Registration is restricted to Biological Sciences- Shady Grove majors.*	Seats (Total: 30) SGII 3062 SGII 3062	

BSCI423 **Immunology Laboratory**

BSCI423 Immunology Laboratory; (2 credits) Grade Method: REG.
Prerequisites: BSCI222 and BSCI223. Corequisite: BSCI422. Junior or senior standing. Formerly MICB455. Current techniques for assessment of immune status and evaluation of the immune response, including monoclonal antibody production, Western blotting, cytokine assays, ELISA and flow cytometry. (Sponsoring Dept.: CBMG). Acceptable toward Biological Sciences Specialization Areas:PHNB, MICB, CEBG and GENB. Students must pay a $40.00 Laboratory Materials fee.

0101	Wenxia Song MW 2:00pm - 3:50pm	Seats (Total: 20) MCB 1143	 Lab

0102	Wenxia Song MW 2:00pm - 3:50pm	Seats (Total: 20) MCB 1135	Lab
0103	Wenxia Song MW 9:30am - 11:20am	Seats (Total: 20) MCB 1135	Lab
SG91	Thomas Stanton W 10:00am - 12:50pm	Seats (Total: 30) SGII 4012	Lab
	Registration is restricted to Biological Sciences- Shady Grove majors.		

BSCI425 **Epidemiology and Public Health**

BSCI425 Epidemiology and Public Health; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: BSCI223. Formerly MICB420. History, characteristic features of epidemiology; the important responsibilities of public health; vital statistics. (Sponsoring Dept.: CBMG). Acceptable toward Biological Sciences Specialization Areas: MICB and GENB (Category 2).

0101	David Rollins MW 1:00pm - 1:50pm M 2:00pm - 2:50pm	Seats (Total: 24) JMZ 0220 JMZ 3205	Discussion
0102	David Rollins MW 1:00pm - 1:50pm F 1:00pm - 1:50pm	Seats (Total: 24) JMZ 0220 MCB 1207	Discussion
0103	David Rollins MW 1:00pm - 1:50pm W 2:00pm - 2:50pm	Seats (Total: 24) JMZ 0220 JMZ 3205	Discussion
0104	David Rollins MW 1:00pm - 1:50pm F 2:00pm - 2:50pm	Seats (Total: 24) JMZ 0220 MCB 1207	Discussion

BSCI430 **Developmental Biology**

BSCI430 Developmental Biology; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisites: BSCI230 or BSCI330; and BSCI222. Formerly ZOOL430.* Structural, functional and regulatory events and mechanisms that operate during development to produce an integrated, multicellular organism composed of a multitude of differentiated cell types. Specialization Areas: PHNB, CEBG, ECEV, and GENB.

0101	Eric Haag, Alexandra Bely, Reid Compton, John O'Connor TuTh 12:30pm - 1:45pm	Seats (Total: 70) PLS 1130

BSCI433 **Biology of Cancer**

BSCI433 Biology of Cancer; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisites: BSCI230 or BSCI330; and BSCI222; or permission of department. Formerly ZOOL416.* Causes and consequences of neoplastic transformations at the biochemical and cellular levels. Specialization Areas: PHNB, CEBG, and GENB.

0101	Ibrahim Ades TuTh 9:30am - 10:45am	Seats (Total: 100) BPS 1250

BSCI436 **Drug Action and Design**

BSCI436 Drug Action and Design; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: CHEM243 or permission of department. Junior standing. Formerly MICB443.* Introductory pharmacology with an emphasis on "magic bullets", novel therapies, and drug design.

SES1	Carol Pontzer W 6:00pm - 9:00pm	Seats (Total: 30) MCB 1207
	This section is restricted to students who enroll through the Science i Evening program. Please visit http://professionalstudies.umd.edu/sie/ for complete program details including program eligibility information, tuition and fee information and registration instructions. This section may not be added on Testudo.	

BSCI437 **General Virology**

BSCI437 General Virology; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: BSCI222 or permission of department. Junior standing. Formerly MICB460.* Discussion of the physical and chemical nature of viruses, virus cultivation and assay methods, virus replication, viral diseases with emphasis on the oncogenic viruses, viral genetics, and characteristics of the major virus groups. Specialization Areas: MICB, CEBG, and GENB.

0101	Brenda Fredericksen MWF 11:00am - 11:50am	Seats (Total: 60) MCB 1207	
SG91	Sabrina Kramer MTh 11:00am - 12:20pm *Registration is restricted to biological Sciences majors at Shady Grove*	Seats (Total: 35) SGII 3062	

BSCI440 **Mammalian Physiology**

BSCI440 Mammalian Physiology; (4 credits) Grade Method: REG/P-F/AUD. *Prerequisites: BSCI230 or BSCI330; and CHEM233; or permission of department. Formerly ZOOL422.* A study of the cardiovascular, hemopoietic, gastrointestinal, renal and respiratory systems. Chemical and endocrine regulation of physiological functions in mammals. Course does not count as an upper level lab for BIOL majors (see BSCI441). Acceptable toward Biological Sciences Specialization Areas: PHNB, and GENB.

2201	William Higgins, Ricardo Araneda MWF 9:00am - 9:50am M 12:00pm - 1:50pm	Seats (Total: 30) SKN 0200 PLS 1111	Discussion
2202	Ricardo Araneda, William Higgins MWF 9:00am - 9:50am M 2:00pm - 3:50pm	Seats (Total: 30) SKN 0200 BPS 1124	Discussion
2203	William Higgins, Ricardo Araneda MWF 9:00am - 9:50am Tu 2:00pm - 3:50pm	Seats (Total: 30) SKN 0200 BPS 1124	Discussion
2204	Ricardo Araneda, William Higgins MWF 9:00am - 9:50am W 10:00am - 11:50am	Seats (Total: 30) SKN 0200 PLS 1113	Discussion

2205	Ricardo Araneda, William Higgins MWF 9:00am - 9:50am W 12:00pm - 1:50pm	Seats (Total: 30) SKN 0200 BPS 1124	Discussion
2206	Ricardo Araneda, William Higgins MWF 9:00am - 9:50am F 10:00am - 11:50am	Seats (Total: 30) SKN 0200 PLS 1113	Discussion
SES1	William Higgins Tu 6:00pm - 9:00pm Th 6:00pm - 9:00pm *This section is restricted to students who enroll through the Science i Evening program. Please visit http://professionalstudies.umd.edu/sie/ for complete program details including program eligibility information, tuition and fee information and registration instructions. This section may not be added on Testudo.*	Seats (Total: 30) PLS 1119 PLS 1119	Discussion
SG91	Don Watkins MF 11:00am - 12:20pm W 1:00pm - 1:50pm *Registration is restricted to Biological Sciences- Shady Grove majors.*	Seats (Total: 35) SGII 3052 SGII 3032	Discussion

BSCI441 **Mammalian Physiology Laboratory**

BSCI441 Mammalian Physiology Laboratory; (2 credits) Grade Method: REG/P-F/AUD.
Corequisite: BSCI440. Formerly ZOOL423. Laboratory exercises in experimental mammalian physiology. (Sponsoring Dept.: BIOL). Acceptable toward Biological Sciences Program Specialization Areas: PHNB and GENB). Students must pay a $40.00 Laboratory Materials fee.

0101	Pamela Lanford M 2:00pm - 5:50pm	Seats (Total: 20) PLS 1181	Lab
0103	Pamela Lanford Tu 2:00pm - 5:50pm	Seats (Total: 20) PLS 1181	Lab
0104	Pamela Lanford W 2:00pm - 5:50pm	Seats (Total: 20) PLS 1181	Lab

0106	Pamela Lanford	Seats (Total: 20)	
	Th 2:00pm - 5:50pm	PLS 1181	Lab

BSCI443 **Microbial Physiology**

BSCI443 Microbial Physiology; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: A grade of C (2.0) or better is required in BSCI223 and {BCHM461 or BCHM463}. Formerly MICB470.* Microbial cellular and population growth. Fermentation metabolism, physiology of anaerobiosis, and energy conservation and transformation in bacterial membranes. Efficiency of energy utilization for growth. Membrane structure and transport. Bacterial chemotaxis. Regulation of bacterial chromosome replication, RNA and protein synthesis. Control of metabolic pathways. (Sponsoring Dept.: CBMG). Acceptable toward Biological Sciences Specialization Areas: CEBG, MICB, PHNB, and GENB.

0101	Sandra Fox-Moon	Seats (Total: 50)	
	MWF 12:00pm - 12:50pm	SYM 0200	

BSCI446 **Neural Systems**

BSCI446 Neural Systems; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: BSCI230 or BSCI330. Formerly ZOOL402.* Neural development, followed by sensory, motor and integrative system organization in the central nervous system. Specialization Areas: PHNB and GENB.

0101	Daphne Soares	Seats (Total: 40)	
	TuTh 11:00am - 12:15pm	BPS 1243	

BSCI447 **General Endocrinology**

BSCI447 General Endocrinology; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisites: BSCI230 or BSCI330; and CHEM233; and CHEM243. Formerly ZOOL426.* Functions and the functioning of the endocrine glands of animals with special reference to the vertebrates. (Sponsoring Dept.: ENTM). Acceptable toward Biological Sciences Specialization Areas: PHNB and GENB.

0101	Michael Ma	Seats (Total: 50)	
	MWF 10:00am - 10:50am	MCB 1207	

BSCI451 **Physical Chemistry for Biologists**

BSCI451 Physical Chemistry for Biologists; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: BSCI230 or BSCI330. Mechanistic and quantitative aspects of chemical and physical processes, including diffusion, ligand-receptor binding, DNA melting, sedimentation, redox reactions, kinetics, fluorescence, osmosis, and electrophoresis. Specialization Areas: PHNB, CEBG and GENB. Click here for the on-line syllabus.

0101	Marco Colombini	Seats (Total: 20)
	MW 2:00pm - 3:15pm	BPS 1238

BSCI453 **Cellular Neurophysiology**

BSCI453 Cellular Neurophysiology; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: A grade of C (2.0) or better in {BSCI230 or BSCI330} and {CHEM231 and CHEM232} and PHYS122. Credit will be granted for only one of the following: BSCI444 or BSCI445 or BSCI453. Formerly BSCI444. The cellular and molecular basis of nervous system function. Specialization Areas: CEBG, PHNB and GENB.

0101	Patrick Kanold	Seats (Total: 40)
	TuTh 2:00pm - 3:15pm	BPS 0283

BSCI471 **Molecular Evolution**

BSCI471 Molecular Evolution; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: BSCI222 or permission of department. Formerly ZOOL441. Patterns of DNA sequence variation within and between species, caused by nucleotide changes and the movement of transposable elements. Theories of molecular evolution, such as the neutral theory. Molecular clock' hypothesis: its importance as a practical empirical tool in molecular genetics and systematics and its theoretical foundation.

0101	Michael Cummings	Seats (Total: 25)
	TuTh 9:30am - 10:45am	PLS 1115

BSOS Behavioral and Social Sciences Spring 2009

BSOS182 **Civicus and Service-Learning**

BSOS182 *(PermReq)* **Civicus and Service-Learning; (1 credit)** Grade Method: REG.
Prerequisite: BSOS181, and BSOS191. Corequisite: SOCY105. Open only to Civicus students. Students will examine domestic societal issues and their national, regional, and local dimensions from political, economic, and policy perspectives. Students will work with local direct service non-profit organizations.

0101	Sue Briggs M 2:00pm - 3:45pm	Seats (Total: 23) SOM 0101
0201	Sue Briggs Tu 3:30pm - 5:15pm	Seats (Total: 33) SOM 0101
0301	Jennifer Williams W 2:00pm - 3:45pm	Seats (Total: 23) SOM 0101
0401	Daniel Dioguardi Tu 3:30pm - 5:15pm	Seats (Total: 16) SOM 0110

BSOS188I **Selected Topics in the Behavioral and Social Sciences; Infant Studies Research**
Contact department for information to register for this course.

BSOS288A **Special Topics in Behavioral and Social Sciences; Peer Training**

BSOS288A *(PermReq)* **Special Topics in Behavioral and Social Sciences: Peer Training; (1 credit)** Grade Method: REG/P-F/AUD.

0101	Kimberly Bethke Contact instructor or department for details.	Seats (Total: 25)

BSOS288G **Special Topics in Behavioral and Social Sciences; SGA Internship**

BSOS288G Special Topics in Behavioral and Social Sciences: SGA Internship; (1-3 credits) Grade Method: REG/P-F/AUD.

0101	Sue Briggs Contact instructor or department for details.	Seats (Total: 30)

BSOS288I **Special Topics in Behavioral and Social Sciences; Internship Practicum in the Social Sciences**

BSOS288I *(PermReq)* **Special Topics in Behavioral and Social Sciences: Internship Practicum in the Social Sciences; (1-3 credits)** Grade Method: REG/P-F/AUD.

0101	Sue Briggs Contact instructor or department for details.	Seats (Total: 20)

BSOS288K **Special Topics in Behavioral and Social Sciences; Research Planning and Development**

BSOS288K Special Topics in Behavioral and Social Sciences: Research Planning and Development; (2 credits) Grade Method: REG/P-F/AUD.

0101	Katherine Beardsley Contact instructor or department for details.	Seats (Total: 1)

BSOS302 **Civicus Capstone**

BSOS302 *(PermReq)* **Civicus Capstone; (3 credits)** Grade Method: REG. *Prerequisite: BSOS301. Sophomore standing.* Capstone course required for CIVICUS citation. Supervised internship, community service, or research project on civil society topic. Application and continued study of skills and concepts, grounded in the social sciences, relevant to understanding and effectively dealing with contemporary social issues. Open only to Civicus students.

0101	Sue Briggs M 7:00pm - 9:00pm Contact instructor or department for details.	Seats (Total: 30) SOM 0101
0201	Sue Briggs W 4:00pm - 6:00pm Contact instructor or department for details.	Seats (Total: 30) SOM 0101
0301	Sue Briggs Th 4:00pm - 6:00pm Contact instructor or department for details.	Seats (Total: 30) SOM 0101

BSOS309 **Civicus Seminar**

BSOS309 *(PermReq)* **Civicus Seminar; (1 credit)** Grade Method: REG.

0101	Sue Briggs TBA	Seats (Total: 10) SOM 0101

BSOS331 **Response to Terrorism**

BSOS331 *(PermReq)* **Response to Terrorism; (3 credits)** Grade Method: REG/P-F/AUD.
Restricted to students enrolled in the Terrorism Studies Minor Program. Examines the impact of terrorism on groups and individuals. Also, explores how communities have prepared and ideally should prepare in the face of potential threats. Material is drawn from other disciplines such as; anthropology, criminology, economics, history, political science, social psychology, and sociology.

0101	Alistair Millar Tu 4:30pm - 7:00pm	Seats (Total: 30) HBK 0105

BSOS386 **Experiential Learning**

BSOS386 *(PermReq)* **Experiential Learning; (3-6 credits)** Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: permission of department. Junior standing.

Contact department for information to register for this course.

BSOS388 **Behavioral and Social Sciences Special Topics**

BSOS388 *(PermReq)* **Behavioral and Social Sciences Special Topics; (1-3 credits)** Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

BSOS388D **Behavioral and Social Sciences Special Topics; Counterterrorism Policy and Programs**

BSOS388D *(PermReq)* **Behavioral and Social Sciences Special Topics: Counterterrorism Policy and Programs; (3 credits)** Grade Method: REG/P-F/AUD. Explores counterterrorism policies and policy making since 2001 as well as the programs developed by parts of the Federal government to implement these policies. Draws from the current policy making process in the Federal government focusing on the National and Homeland Security Councils at the White House as well as the involvement of other Federal Departments and Agencies. Permission to enroll, please email education@start.umd.edu.

0101	Monte Hawkins	Seats (Total: 30)
	Th 5:00pm - 7:30pm	TYD 0111

BSOS388E **Behavioral and Social Sciences Special Topics; CIDCM Minor Practicum**

BSOS388E *(PermReq)* **Behavioral and Social Sciences Special Topics: CIDCM Minor Practicum; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

BSOS388G **Behavioral and Social Sciences Special Topics; Arab Culture and Civilization**
Contact department for information to register for this course.

BSOS388I **Behavioral and Social Sciences Special Topics; Social Science Internship Practicum**

BSOS388I *(PermReq)* **Behavioral and Social Sciences Special Topics: Social Science Internship Practicum; (1-3 credits)** Grade Method: REG/P-F/AUD.

0101	Sue Briggs	Seats (Total: 30)
	Contact instructor or department for details.	

BSOS388L **Behavioral and Social Sciences Special Topics; Advanced Peer Training**

BSOS388L *(PermReq)* **Behavioral and Social Sciences Special Topics: Advanced Peer Training; (1 credit)** Grade Method: REG/P-F/AUD.

0101	Kimberly Bethke	Seats (Total: 20)
	Contact instructor or department for details.	

BSOS388Q **Behavioral and Social Sciences Special Topics; CESAR Directed Study**

BSOS388Q *(PermReq)* **Behavioral and Social Sciences Special Topics: CESAR Directed Study; (1-3 credits)** Grade Method: REG/P-F/AUD.

0101	Eric Wish	Seats (Total: 1)
	Contact instructor or department for details.	

BSOS399 **Directed Study in Behavioral and Social Sciences**

BSOS399 *(PermReq)* **Directed Study in Behavioral and Social Sciences; (3 credits)** Grade Method: REG/P-F/AUD.

0201	Katherine Izsak	Seats (Total: 5)
	Contact instructor or department for details.	
0301	Valencia Skeeter	Seats (Total: 1)
	Contact instructor or department for details.	

BSOS399A **Directed Study in Behavioral and Social Sciences; Movements, Networks and Institutions**
Contact department for information to register for this course.

BSOS399C **Directed Study in Behavioral and Social Sciences; Civicus Undergraduate Teaching Assistant Directed Study**

BSOS399C *(PermReq)* **Directed Study in Behavioral and Social Sciences: Civicus Undergraduate Teaching Assistant Directed Study; (1-3 credits)** Grade Method: REG.

0101	Sue Briggs	Seats (Total: 10)
	Contact instructor or department for details.	

BSOS399F **Directed Study in Behavioral and Social Sciences; Directed Readings on Democratic Theory**

BSOS399F *(PermReq)* **Directed Study in Behavioral and Social Sciences: Directed Readings on Democratic Theory; (3 credits)** Grade Method: REG/P-F/AUD.

0101	Stephen Elkin	Seats (Total: 1)
	Contact instructor or department for details.	

BSOS399L **Directed Study in Behavioral and Social Sciences; Teaching Terrorism Studies**
Contact department for information to register for this course.

BSOS399Q **Directed Study in Behavioral and Social Sciences; CESAR**
Contact department for information to register for this course.

BSOS399R **Directed Study in Behavioral and Social Sciences; Community Roots**
Contact department for information to register for this course.

BSOS399Y **Directed Study in Behavioral and Social Sciences; 20th Century Literature: The Meeting of East and West**

BSOS399Y *(PermReq)* **Directed Study in Behavioral and Social Sciences: 20th Century Literature: The Meeting of East and West; (1-6 credits)** Grade Method: REG/P-F/AUD.

0101	Suheil Bushrui	Seats (Total: 1)
	Contact instructor or department for details.	

BSOS608 **LEAD Professional Seminar**

BSOS608 *(PermReq)* **LEAD Professional Seminar; (1 credit)** Grade Method: REG.

0101	Darlene Iskra	Seats (Total: 15)
	Th 8:00am - 9:00am	Location: TBA

BSOS610 **The Academy and the Brigade**

BSOS610 The Academy and the Brigade; (3 credits) Grade Method: REG. *Prerequisite: Approved member of LEAD Cohort.* The course examnies the history, function, and purpose of the United States Naval Academy (USNA) with an eye toward the application of knowledge as a member of and leader for the institution. Sociological issues such as race, gender, ethnicity, and demographic variations are addressed, as are the formal and informal organizational structures that define the Academy. This course is purposefully designed to bridge the more general LEAD curriculum with the specific duties endemic to the role of the Company Officer. The course will also examine the students who comprise the Brigade of Midshipmen, to include basic demographics, motivations, and trends. Registration is limited to LEAD students only. This course will meet at the United States Naval Academy.

0101	Donald Horner	Seats (Total: 16)
	M 8:30am - 11:00am	Location: TBA

BSOS613 **LEAD Seminar 3: Leadership and the Company Officer**

BSOS613 LEAD Seminar 3: Leadership and the Company Officer; (3 credits) Grade Method: REG.
Restricted to approved member of LEAD cohort. Prerequisite: BSOS601 and BSOS602. This seminar is the last in a series of the Leadership Education and Development (LEAD) Program. Students will use a case study methodology to discuss and role-play real-life problems they will encounter as company officers. The seminar, combining the concepts and knowledge they have gained through the coursework, will help them to think analytically, applying the theory and practice of individual, team, and organizational development to enhance individual and team performance.

0101	Darlene Iskra	Seats (Total: 15)
	Th 9:10am - 11:40am	EDU 1210B

BSOS698 **LEAD Special Topics**

BSOS698 LEAD Special Topics; (3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

BUAC Accounting and Information Assurance Spring 2009

BUAC711 **Financial Planning and Control Systems for Managers and Consultants**

Any remaining seats in BUAC courses will be available to the following groups of students: Students admitted/graduates of UMCP master or PhD program and students admitted/graduates of an AACSB-accredited masters program. Students outside the department should contact the Smith School of Business Masters Program Office starting the first day of registration for specific instructions on how to request a BUAC course. Requests for courses will be reviewed approximately two weeks before the start of the semester. For all course sections with GS, class will be held at the Shady Grove Campus. For all course sections with DC, class will be held at the Ronald Reagan Building/International Trade Center. For all course sections with BA, class will be held at the UMAB School of Nursing.

BUAC711 Financial Planning and Control Systems for Managers and Consultants; (3 credits) Grade Method: REG.

Prerequisites: BUSI 611, BUSI 630 and BUSI 681; or permission of department. For BMGT majors only. Credit will be granted for only one of the following: BMGT 711 and BUAC 711. Formerly BMGT711. This course provides an analysis of several topics concerning financial planning/control systems (management accounting systems). Topics covered: design and use of cost management systems (including activity based costing systems), financial performance measures for enhancing firm value, managerial incentive contracts and accounting data, management accounting and Internet-based transactions, managing earnings and financial ratios, use of balanced scorecard to evaluate financial/nonfinancial managerial performance, management accounting systems and competitor analysis, behavioral aspects of budgeting, post-auditing of capital investments, accounting/economics aspects of information security, and transfer pricing. Non-majors should review their registration eligibility in the statement preceding the BUAC courses.

DC01	Colin Linsley W 7:00pm - 9:40pm	Seats (Total: 40) DC C6

BUAC743 **Financial Statement Analysis**

BUAC743 Financial Statement Analysis; (2 credits) Grade Method: REG/AUD.

Prerequisite: BUSI610. For Majors only or permission of department. Provides students with the tools to conduct a financial statement analysis, which is part of an overall business analysis. This involves understanding and using the information that financial statements are communicating to users.

0101	Progyan Basu **Meets March 25, 2009 - May 12, 2009** MW 11:20am - 1:10pm	Seats (Total: 35) VMH 1520
BA01	Gary Bulmash **Meets January 26, 2009 - March 12, 2009** Th 6:25pm - 10:00pm	Seats (Total: 35) BA 150

BUAC758K **Special Topics in Accounting and Information Assurance; Internal Auditing I**

BUAC758K Special Topics in Accounting and Information Assurance: Internal Auditing I; (3 credits) Grade Method: REG/AUD.

GS06	Alan Siegfried, Elizabeth Folsom **Meets February 14, 2009 - May 2, 2009** Sa 8:00am - 12:00pm *Meets 2/14, 2/21, 2/28, 3/7, 3/14, 3/21, 3/28, 4/4, 4/18, 4/25, Final 5 2.*	Seats (Total: 0) SGII 1032

BUAC758P **Special Topics in Accounting and Information Assurance; Action Learning Project**

BUAC758P Special Topics in Accounting and Information Assurance: Action Learning Project; (1 credit) Grade Method: REG/AUD.

GS06	Matthew Gagnon **Meets February 7, 2009 - May 16, 2009** Sa 8:00am - 3:15pm *For MS in Accounting Students only. Meets 2/7, 5/9, 5/16.*	Seats (Total: 0) SGII 1032

BUAC758Q **Special Topics in Accounting and Information Assurance; Action Learning Project**

BUAC758Q Special Topics in Accounting and Information Assurance: Action Learning Project; (1 credit) Grade Method: REG/AUD.

GS06	Matthew Gagnon **Meets February 7, 2009 - May 16, 2009** Sa 8:00am - 3:15pm *For MS in Accounting students only. Meets 2/7, 5/9, 5/16.*	Seats (Total: 0) SGII 1032

BUAC758Y **Special Topics in Accounting and Information Assurance; Information Security, Audit and Control**

BUAC758Y Special Topics in Accounting and Information Assurance: Information Security, Audit and Control; (3 credits) Grade Method: REG/AUD.

GS06	David Sites	Seats (Total: 0)
	Meets February 14, 2009 - May 2, 2009	
	Sa 1:00pm - 5:00pm	SGII 1032
	Meets 2/14, 2/21, 2/28, 3/7, 3/14, 3/21, 3/28, 4/4, 4/18, 4/25, Final 5 2.	

BUAC759 **Independent Study in Accounting and Information Assurance**

BUAC759 *(PermReq)* **Independent Study in Accounting and Information Assurance; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

BUDT Decision and Information Technologies Spring 2009

BUDT733 **Data Mining for Business**

BUDT733 Data Mining for Business; (3 credits) Grade Method: REG. *Prerequisite: BUSI 630. Credit will be granted for only one of the following: BMGT 733 or BUDT 733. Formerly BMGT733.* Data mining techniques and their use in strategic business decision making. A hands-on course that provides an understanding of the key methods of data visualization, exploration, classification, prediction, time series forecasting, and clustering. Non-majors should review their registration eligibility in the statement preceding the BUDT courses.

0101	Herbert Edelstein	Seats (Total: 40)
	Meets January 21, 2009 - May 12, 2009	
	MW 3:30pm - 4:45pm	VMH 1335

BUDT750 **Game Theory for Managerial Decisions**

BUDT750 Game Theory for Managerial Decisions; (3 credits) Grade Method: REG.

Prerequisite: BUSI690. A study of managerial decision-making in strategic (or interactive) situations characterized by both conflict and cooperation. Introduces basic tools of game theory including simultaneous and sequential-move games, equilibrium analysis, repeated interactions, information assymetry, and principal-agent models. Applications of game theory to managerial decisions such as pricing, promotions, entry/exit decisions, deterrence, design of incentive contracts, supply chain relationships, auctions. Non-majors should review their registration eligibility in the statement preceding the BUDT courses.

0101	Shreevardhan Lele **Meets January 21, 2009 - May 12, 2009** W 1:20pm - 4:00pm	Seats (Total: 40) VMH 1511
BA01	Shreevardhan Lele **Meets January 26, 2009 - May 14, 2009** W 7:00pm - 9:40pm	Seats (Total: 40) BA 150

BUDT758F **Special Topics in Decision and Information Technologies; Online Market Analytics**

BUDT758F Special Topics in Decision and Information Technologies: Online Market Analytics; (2 credits) Grade Method: REG/AUD.

GS01	Wolfgang Jank **Meets February 14, 2009 - March 14, 2009** Sa 8:30am - 3:15pm *Meets 2/14, 2/21, 3/7, and 3/14. Shared with BUMK758F.*	Seats (Total: 17) SG3 3242

BUDT758L **Special Topics in Decision and Information Technologies; Data Management Systems**

BUDT758L Special Topics in Decision and Information Technologies: Data Management Systems; (2 credits) Grade Method: REG/AUD.

DC06	Peter Weiss **Meets March 28, 2009 - May 16, 2009** Sa 8:40am - 12:50pm	Seats (Total: 35) DC C2

BUDT758R **Special Topics in Decision and Information Technologies; Operations and Supply Chain Strategy**

BUDT758R Special Topics in Decision and Information Technologies: Operations and Supply Chain Strategy; (2 credits) Grade Method: REG/AUD.

0101	Gilvan Souza	Seats (Total: 35)
	Meets January 21, 2009 - March 10, 2009	
	MW 11:20am - 1:10pm	VMH 1335

BUDT758V **Special Topics in Decision and Information Technologies; Social Computing and Web 2.0**

BUDT758V Special Topics in Decision and Information Technologies: Social Computing and Web 2.0; (2 credits) Grade Method: REG/AUD.

DC01	Xiaoqing Wang	Seats (Total: 35)
	Meets March 30, 2009 - May 12, 2009	
	Tu 6:25pm - 10:00pm	DC C5

BUDT759 **Independent Study in Decision and Information Technologies**

BUDT759 *(PermReq)* **Independent Study in Decision and Information Technologies; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

BUDT775 **Pricing and Revenue Management**

BUDT775 Pricing and Revenue Management; (2 credits) Grade Method: REG/AUD.

For Majors Only or permission of department. Credit will be granted for only one of the following: BUDT758D or BUDT775. Formerly BUDT758D. Specialized course on pricing and revenue management (PRM) that provides students with tools and principles, drawn from several disciplines (Operations, Microeconomics, Decision Modeling, Statistics, Marketing, IS) to make effective pricing decisions. Topics covered include economics of pricing, strategy and tactics of PRM, pricing optimization, differentiated pricing, dynamic pricing, mark-down pricing, legal and ethical issues in models/methods used in making effective PRM decisions and managerial or organizational factors that hold the key to success in execution of PRM.

0101	Itir Karaesmen-Aydin	Seats (Total: 35)
	Meets January 21, 2009 - March 10, 2009	
	TuTh 3:20pm - 5:10pm	VMH 1505

BUFN Finance Spring 2009

BUFN700 Investment Management

Any remaining seats in BUFN courses will be available to the following groups of students: Students admitted/graduates of UMCP master or PhD program and students admitted/graduates of an AACSB-accredited masters program. Students outside the department should contact the Smith School of Business Masters Program Office starting the first day of registration for specific instructions on how to request a BUFN course. Requests for courses will be reviewed approximately two weeks before the start of the semester. For all course sections with GS, class will be held at the Shady Grove Campus. For all course sections with DC, class will be held at the Ronald Reagan Building/International Trade Center. For all course sections with BA, class will be held at the UMAB School of Nursing.

For weekend courses, students are responsible for checking their schedule for course conflicts. If a student is registered for weekend courses that conflict, the student should make adjustments to their schedule. If changes are not made, the department can drop the course that was last added to cause the conflict.

BUFN700 Investment Management; (3 credits) Grade Method: REG.
Corequisite: BUSI 640. Credit will be granted for only one of the following: BMGT 743 or BUFN 700. Formerly BMGT743. Methods of security selection and portfolio management in the debt and equity markets. Investment alternatives, securities markets, bond and common stock valuation, options, portfolio theory, and behavior of stock prices. Non-majors should review their registration eligibility in the statement preceding the BUFN courses.

0101	Doron Avramov	Seats (Total: 40)
	Meets January 21, 2009 - May 12, 2009	
	MW 8:00am - 9:15am	VMH 1335
BA01	Mark Loewenstein	Seats (Total: 40)
	Meets January 26, 2009 - May 14, 2009	
	M 7:00pm - 9:40pm	BA 150

DC01	Doron Avramov **Meets January 26, 2009 - May 14, 2009** M 7:00pm - 9:40pm	Seats (Total: 40) DC C4
GS01	Mark Loewenstein **Meets January 26, 2009 - May 14, 2009** W 7:00pm - 9:40pm	Seats (Total: 40) SG3 4206

BUFN722 **Banking and Financial Institutions**

BUFN722 Banking and Financial Institutions; (3 credits) Grade Method: REG. *Prerequisite: BUSI 640. Credit will be granted for only one of the following: BMGT 745 or BUFN 722. Formerly BMGT745.* The role of financial management in banking and financial institutions. The economic role and regulation of banking and financial institutions, analysis of risks and returns on financial assets and liabilities, and the structure of assets, liabilities and capital. Non-majors should review their registration eligibility in the statement preceding the BUFN courses.

0101	Elinda Kiss **Meets January 21, 2009 - May 12, 2009** MW 2:00pm - 3:15pm	Seats (Total: 40) VMH 1520

BUFN726 **Futures and Options Contract**

BUFN726 Futures and Options Contract; (3 credits) Grade Method: REG/AUD. *Prerequisite: BUSI 640. Credit will be granted for only one of the following: BMGT 744 or BUFN 726. Formerly BMGT744.* The institutional features and economic rationale underlying markets in futures and options. Valuation of futures and options. Hedging, speculation, structure of futures prices, interest rate futures, efficiency in futures markets, and stock and commodity options.

0101	Doron Avramov **Meets January 21, 2009 - May 12, 2009** MW 2:00pm - 3:15pm	Seats (Total: 40) VMH 1202

BUFN731 **Fixed Income Securities**

BUFN731 Fixed Income Securities; (3 credits) Grade Method: REG.
Corequisite: BUFN 700. For BMGT majors only. Focuses on understanding financial instruments that have market values which are sensitive to interest rate movements. Develop tools to analyze interest rate sensitivity and value fixed income securities. Topics include a variety of fixed income assets and related securities, including: zero coupon government bonds; coupon bearing government bonds; exchange-traded bond options; bonds with embedded options; floating rate notes; caps, collars and floors; floating rate notes with embedded options; forward contracts; interest rate swaps; bond futures and options on bond futures. Non-majors should review their registration eligibility in the statement preceding the BUFN courses. Students must have over 21 credits to take this course.

DC06	Mark Taranto	Seats (Total: 40)
	Meets January 31, 2009 - May 16, 2009	
	Sa 2:00pm - 6:45pm	DC C2

BUFN735 **Computational Finance**

BUFN735 Computational Finance; (3 credits) Grade Method: REG.
Prerequisites: BUSI 630 and BUSI 640. Introduces and applies various computational techniques useful in management of equities and fixed income portfolios, valuation of financial derivatives, such as stock options, valuation of fixed income securities and their derivatives. Techniques include portfolio Monte Carlo Simulation, binomial and Black-Scholes option pricing models, value at risk and stochastic processes. Non-majors should review their registration eligibility in the statement preceding the BUFN courses. Students must have over 21 credits to take this course.

0101	Mark Taranto	Seats (Total: 40)
	Meets January 22, 2009 - May 12, 2009	
	TuTh 11:00am - 12:15pm	VMH 1520

BUFN738 **Investment Fund Management**
Contact department for information to register for this course.

BUFN758A **Special Topics in Finance; Applied Equity Analysis and Portfolio Management**

BUFN758A Special Topics in Finance: Applied Equity Analysis and Portfolio Management; (2 credits) Grade Method: REG.

0101	Sarah Kroncke **Meets January 21, 2009 - March 10, 2009** TuTh 9:00am - 10:50am	Seats (Total: 35) VMH 1415
DC01	Sarah Kroncke **Meets January 26, 2009 - March 14, 2009** Tu 6:25pm - 10:00pm	Seats (Total: 35) DC C2

BUFN758B **Special Topics in Finance; Advanced Corporate Finance**

BUFN758B Special Topics in Finance: Advanced Corporate Finance; (2 credits) Grade Method: REG.

"Students should not register for this course if they have already taken BUFN714."

0101	Mark Taranto **Meets March 25, 2009 - May 12, 2009** TuTh 1:20pm - 3:10pm	Seats (Total: 35) VMH 1505
DC01	Mark Taranto **Meets March 30, 2009 - May 14, 2009** Th 6:25pm - 10:00pm	Seats (Total: 35) DC C2
GS01	Mark Taranto **Meets March 30, 2009 - May 14, 2009** Tu 6:25pm - 10:00pm	Seats (Total: 35) SG3 4216

BUFN758C **Special Topics in Finance; Financial Risk Management**

BUFN758C Special Topics in Finance: Financial Risk Management; (2 credits) Grade Method: REG.

0101	Michael Donovan **Meets March 26, 2009 - May 7, 2009** Th 2:00pm - 5:35pm	Seats (Total: 35) VMH 3505

BUFN758I **Special Topics in Finance; Institutional Money Management**

BUFN758I Special Topics in Finance: Institutional Money Management; (2 credits) Grade Method: REG.

0101	Albert Kyle **Meets January 21, 2009 - March 10, 2009** TuTh 1:20pm - 3:10pm	Seats (Total: 35) VMH 1505
BA01	Albert Kyle **Meets January 26, 2009 - March 12, 2009** Tu 6:25pm - 10:00pm	Seats (Total: 35) BA 150
DC01	Albert Kyle **Meets January 26, 2009 - March 12, 2009** Th 6:25pm - 10:00pm	Seats (Total: 35) DC C4

BUFN758R **Special Topics in Finance; Financial Restructuring and Strategy**

BUFN758R Special Topics in Finance: Financial Restructuring and Strategy; (2 credits) Grade Method: REG/AUD.

DC06	Bharat Jain **Meets January 24, 2009 - March 14, 2009** Sa 8:40am - 12:50pm	Seats (Total: 35) DC C4

BUFN759 **Independent Study in Finance**

BUFN759 *(PermReq)* **Independent Study in Finance; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

BULM Logistics, Business, and Public Policy Spring 2009

BULM744 **Global Supply Chain Risk Management**

BULM744 Global Supply Chain Risk Management; (2 credits) Grade Method: REG/AUD.

For majors only or permission of department. Explores methods to build enterprise resillience from the perspectives of the supply chain planner and supply chain manager. Addresses concerns assessing strategic & operational risks, day to day uncertainties in demand & supply and ensuring business continuity after low probability but high impact events such as a terrorist attack or earthquake.

DC06	Sandor Boyson	Seats (Total: 35)
	Meets January 26, 2009 - February 14, 2009	
	SaSu 8:30am - 5:30pm	DC C6
	Meets Saturday 1/31, Sunday 2/1, and Saturday 2/14 from 8:30am-5:30pm.	

BULM759 **Independent Study in Logistics Management**

BULM759 *(PermReq)* **Independent Study in Logistics Management; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

BUMK Marketing Spring 2009

BUMK701 **Marketing Research Methods**

Any remaining seats in BUMK courses will be available to the following groups of students: Students admitted/graduates of UMCP master or PhD program and students admitted/graduates of an AACSB-accredited masters program. Students outside the department should contact the Smith School of Business Masters Program Office starting the first day of registration for specific instructions on how to request a BUMK course. Requests for courses will be reviewed approximately two weeks before the start of the semester. For all course sections with GS, class will be held at the Shady Grove Campus. For all course sections with DC, class will be held at the Ronald Reagan Building/International Trade Center. For all course sections with BA, class will be held at the UMAB School of Nursing.

For weekend courses, students are responsible for checking their schedule for course conflicts. If a student is registered for weekend courses that conflict, the student should make adjustments to their schedule. If changes are not made, the department can drop the course that was last added to cause the conflict.

BUMK701 Marketing Research Methods; (2 credits) Grade Method: REG. *Cannot be repeated for 3 credits.. Prerequisites: BUSI 630 and BUSI 650. Credit will be granted for only one of the following: BMGT 752 or BUMK 701. Formerly BMGT752.* The process of acquiring, classifying and interpreting primary and secondary marketing data needed for intelligent, profitable marketing decisions. Evaluation of the appropriateness of alternative methodologies, such as the inductive, deductive, survey, observational, and experimental. Recent developments in the systematic recording and use of internal and external data needed for marketing decisions. Non-majors should review their registration eligibility in the statement preceding the BUMK courses.

DC01	Joydeep Srivastava	Seats (Total: 35)
	Meets January 26, 2009 - March 14, 2009	
	Tu 6:25pm - 10:00pm	DC C4

BUMK715 Consumer Behavior

BUMK715 Consumer Behavior; (2 credits) Grade Method: REG.
Cannot be repeated for 3 credits. Prerequisite: BUSI650. For Business Majors only. Credit will be granted for only one of the following: BMGT754 or BUMK715. Formerly BMGT754. Analysis of customer decision-making and how marketing strategy can be used to influence those decisions. The framework is a buyer behavior model, in which concepts from psychology, sociology, and economics are applied to individual and organizational purchase decisions. Marketing strategies of leading firms in consumer products, technology, and services (including internet services) are analyzed using a variety of case study formats. Focus is consumer behavior; however, principles can also be applied to the decision-making of business. Non-majors should review their registration eligibility in the statement preceding the BUMK courses.

0101	Rebecca Ratner **Meets January 21, 2009 - March 10, 2009** MW 9:20am - 11:10am	Seats (Total: 12) VMH 3332
DC01	Rosellina Ferraro **Meets March 30, 2009 - May 14, 2009** Tu 6:25pm - 10:00pm	Seats (Total: 35) DC C2

BUMK717 **Integrated Marketing Communications**

BUMK717 Integrated Marketing Communications; (2 credits) Grade Method: REG.
Prerequisite: BUSI650. For Majors only or permission of department. Marketing communications are a complex but critical component of marketing strategy. Topics include communication tools: advertising, sales promotions, corporation communications, one-on-one or direct marketing, public relations, internet communications, sponsorship/events marketing, and marketing communcation plans: defining objectives, implementing the plan, and measuring communications effectiveness. Achieving integration in the content, look, and feel of all marketing communications is stressed.

DC06	Jerrold Van Winter **Meets January 24, 2009 - March 14, 2009** Sa 1:40pm - 5:50pm *Meets 1/24, 1/31, 2/14, 2/21,3/7,3/14.*	Seats (Total: 35) DC C4

BUMK731 **Business-to-Business Marketing**

BUMK731 Business-to-Business Marketing; (2 credits) Grade Method: REG.
Cannot be repeated for 3 credits. Prerequisite: BUSI 650. Focus is large fraction of marketing activity directed at organizational customers (businesses, non-profits and government). Marketing strategies, tactics and analytical tools most relevant when marketing to organizational customers are covered. Readings, cases and term paper contribute to understanding how to build long term buyer/seller relationships. Course is appropriate for anyone interested in understanding relationships between organizations, including vertical strategic alliances. Non-majors should review their registration eligibility in the statement preceding the BUMK courses.

0101	Robert Krapfel	Seats (Total: 35)
	Meets January 21, 2009 - March 10, 2009	
	TuTh 9:00am - 10:50am	VMH 1505

BUMK757 **Marketing Strategy**

BUMK757 Marketing Strategy; (2 credits) Grade Method: REG.
Cannot be repeated for 3 credits. Prerequisite: BUSI 650. Credit will be granted for only one of the following: BMGT 757 or BUMK 757. Formerly BMGT757. A capstone marketing course. Marketing strategies designed to manage products in selected market segments. Topics covered include competitor analysis, buyer analysis, market segments, and product strengths and weaknesses; product related issues are identified and marketing strategies developed, assessed and implemented. Non-majors should review their registration eligibility in the statement preceding the BUMK courses.

0101	Jerrold Van Winter	Seats (Total: 35)
	Meets March 25, 2009 - May 12, 2009	
	MW 11:20am - 1:10pm	VMH 1335

BUMK758A **Special Topics in Marketing; Market Forecasting**

BUMK758A Special Topics in Marketing: Market Forecasting; (2 credits) Grade Method: REG.

0101	Wendy Moe	Seats (Total: 35)
	Meets March 25, 2009 - May 11, 2009	
	MW 9:20am - 11:10am	VMH 1520

BUMK758F **Special Topics in Marketing; Online Market Analytics**

BUMK758F Special Topics in Marketing: Online Market Analytics; (2 credits) Grade Method: REG/AUD.

GS01	Wolfgang Jank	Seats (Total: 18)
	Meets February 14, 2009 - March 14, 2009	
	Sa 8:30am - 3:15pm	SG3 3242
	Meets 2/14, 2/21,3/7, and 3/14. Shared with BUDT758F.	

BUMK758P **Special Topics in Marketing; New Product Development**

BUMK758P Special Topics in Marketing: New Product Development; (2 credits) Grade Method: REG.

DC06	Cynthia Gilmer	Seats (Total: 35)
	Meets March 28, 2009 - May 16, 2009	
	Sa 1:40pm - 5:50pm	DC C5
	This course meets 3/28, 4/4, 4/18, 4/25, 5/9, 5/16.	
GS01	Cynthia Gilmer	Seats (Total: 35)
	Meets March 30, 2009 - May 14, 2009	
	Th 6:25pm - 10:00pm	SG3 3226

BUMK759 **Independent Study in Marketing**

BUMK759 *(PermReq)* **Independent Study in Marketing; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

BUMO Management and Organization Spring 2009

BUMO712 **Leadership Development**

Any remaining seats in BUMO courses will be available to the following groups of students: Students admitted/graduates of UMCP master or PhD program and students admitted/graduates of an AACSB-accredited masters program. Students outside the department should contact the Smith School of Business Masters Program Office starting the first day of registration for specific instructions on how to request a BUMO course. Requests for courses will be reviewed approximately two weeks before the start of the semester. For all course sections with GS, class will be held at the Shady Grove Campus. For all course sections with DC, class will be held at the Ronald Reagan Building/International Trade Center. For all course sections with BA, class will be held at the UMAB School of Nursing.

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BUMO712 Leadership Development; (3 credits) Grade Method: REG. *Prerequisite: BUSI662. For BMGT majors only.* Focuses on developing skills to inspire, influence and organize others to accomplish key goals. Building on leadership theories, course includes assessment & role-playing activities, discussions, cases, and exercises to assess and develop personal capabilities.

BA01	Karen Wouters **Meets January 26, 2009 - May 14, 2009** M 7:00pm - 9:40pm	Seats (Total: 40) BA 304
DC01	Karen Wouters **Meets January 26, 2009 - May 14, 2009** W 7:00pm - 9:40pm	Seats (Total: 40) DC C4

BUMO714 **Executive Power and Negotiation**

BUMO714 Executive Power and Negotiation; (3 credits) Grade Method: REG. *Credit will be granted for only one of the following: BMGT 764 or BUMO 714. Formerly BMGT764.* Negotiations knowledge and skills through a series of readings (the use of power during bargaining exchanges, principles of effective listening, and bargaining strategies and tactics) and through the opportunity to practice negotiating. Non-majors should review their registration eligibility in the statement preceding the BUMO courses.

0201	Joyce Russell **Meets January 21, 2009 - May 12, 2009** W 8:30am - 11:00am	Seats (Total: 40) VMH 1528
DC06	Jeffrey Kudisch **Meets February 28, 2009 - May 9, 2009** Sa 8:30am - 3:30pm Su 8:30am - 3:30pm *This course meets 2/28, Sunday 3/8, 3/28, 4/11, 4/25, and 5/9.*	Seats (Total: 40) DC C6 DC C6

BUMO725 **Networks and Influence**

BUMO725 Networks and Influence; (2 credits) Grade Method: REG/AUD.
For MBA majors only. Focuses on networks, social capital, and influence as they relate to operating effectively in organizations. It draws heavily on emerging literature related to social capital and networks, but also integrates concepts from persuasion, communication, and motivation literatures to aid your efforts to build a successful track record for yourself and your organization.

0101	Kathryn Bartol **Meets January 21, 2009 - March 10, 2009** TuTh 1:20pm - 3:10pm	Seats (Total: 35) VMH 2505
BA01	Kathryn Bartol **Meets January 26, 2009 - March 14, 2009** Tu 6:25pm - 10:00pm	Seats (Total: 35) BA 304
GS01	Kathryn Bartol **Meets January 26, 2009 - March 12, 2009** Th 6:25pm - 10:00pm	Seats (Total: 35) SG3 3226

BUMO730 **Corporate Venturing**

BUMO730 Corporate Venturing; (3 credits) Grade Method: REG/AUD.
Prerequisite: completion of MBA core or permission of department. Credit will be granted for only one of the following: BMGT 782 or BUMO 730. Formerly BMGT782. This course explores the skills, techniques, and strategies that are required to instill entrepreneurial behavior in large complex organizations. Students study presentations from real executives and business cases wherein creativity, innovation, fast descision-making, and trial and error implementation have been applied successfully.

DC01	James Sanders	Seats (Total: 40)
	Meets January 26, 2009 - May 14, 2009	
	Th 7:00pm - 9:40pm	DC C5

BUMO756 **Industry and Competitor Analysis**

BUMO756 Industry and Competitor Analysis; (3 credits) Grade Method: REG.
Recommended: BUSI 690. Credit will be granted for only one of the following: BMGT 792 or BUMO 756. Formerly BMGT792. This industry and competitor analysis seminar provides students with the conceptual framework and analytical tools for understanding the dynamics of industry structure and how competitors actually interact in the marketplace. An understanding of the dynamics of competition and industry evolution is an important input in the development of an effective competitive strategy. Non-majors should review their registration eligibility in the statement preceding the BUMO courses.

0101	Ken Smith	Seats (Total: 40)
	Meets January 26, 2009 - May 12, 2009	
	M 8:30am - 11:00am	VMH 1418
DC01	Oliver Schlake	Seats (Total: 40)
	Meets January 26, 2009 - May 14, 2009	
	M 7:00pm - 9:40pm	DC C2

BUMO758D **Special Topics in Management and Organization; Social Entrepreneurship**

BUMO758D Special Topics in Management and Organization: Social Entrepreneurship; (2 credits) Grade Method: REG/AUD.

DC06	James Sanders **Meets January 31, 2009 - February 28, 2009** Sa 8:30am - 5:50pm *Meets 1/31, 2/14, 2/28.*	Seats (Total: 35) DC C2

BUMO758G **Special Topics in Management and Organization; Innovation Management**

BUMO758G Special Topics in Management and Organization: Innovation Management; (2 credits) Grade Method: REG.

DC01	Paulo Prochno **Meets January 26, 2009 - March 14, 2009** Tu 6:25pm - 10:00pm	Seats (Total: 35) DC C3

BUMO759 **Independent Study in Management and Organization**

BUMO759 *(PermReq)* **Independent Study in Management and Organization; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

BUSI Part-Time MBA Program Spring 2009

BUSI605 **Culture, Ethics and Communication**

BUSI605 *(PermReq)* **Culture, Ethics and Communication; (2 credits)** Grade Method: REG.
For majors only or permission of department. Provides an opportunity for student discussion, debate, and dramatization of topics relating to ethics, corporate social responsibility, and culture relevant to the current business environment. Such issues are brought to life through a project relating to corporate social responsibility, guest speakers, role-plays, and student-created dramatic performances.

0101	Shreevardhan Lele **Meets March 25, 2009 - May 12, 2009** TuTh 1:20pm - 3:10pm	Seats (Total: 0) VMH 1511

0201	Shreevardhan Lele	Seats (Total: 0)
	Meets March 25, 2009 - May 12, 2009	
	TuTh 3:20pm - 5:10pm	VMH 1511

BUSI610 **Introduction to Financial Accounting**

BUSI610 *(PermReq)* **Introduction to Financial Accounting; (2 credits)** Grade Method: REG.
For BMGT majors only. Credit will be granted for only one of the following: BMGT 610 or BUSI 610. Formerly BMGT610. Overview of financial accounting, periodic financial statements and the financial reporting process. Importance of financial statements as information source for creditors and investors and as a means by which managers can communicate information about their firms. Non-majors should review their registration eligibility in the statement preceding the BUSI courses.

DC06	Michael Finch	Seats (Total: 0)
	Meets January 3, 2009 - March 7, 2009	
	Sa 8:45am - 1:00pm	DC C1

BUSI611 **Managerial Accounting**

BUSI611 *(PermReq)* **Managerial Accounting; (2 credits)** Grade Method: REG.
Prerequisite: BMGT 610. For BMGT majors only. Credit will be granted for only one of the following: BMGT 611 or BUSI 611. Formerly BMGT611. Use of accounting data in corporate planning and control. Cost-volume- profit analysis, budgeting, pricing decisions and cost data, transfer pricing, activity-based management, performance measures, and standard costing. Non-majors should review their registration eligibility in the statement preceding the BUSI courses.

0101	Michael Finch	Seats (Total: 0)
	Meets January 21, 2009 - March 10, 2009	
	MW 11:20am - 1:10pm	VMH 1511
0201	Michael Finch	Seats (Total: 0)
	Meets January 21, 2009 - March 10, 2009	
	MW 9:20am - 11:10am	VMH 1511

BA04	Thomas Vermeer **Meets February 28, 2009 - April 11, 2009** W 6:00pm - 10:00pm Sa 8:30am - 12:50pm	Seats (Total: 0) BA 304 BA 304
GS04	Gary Bulmash **Meets February 28, 2009 - April 11, 2009** Tu 6:00pm - 10:00pm Sa 1:00pm - 5:20pm	Seats (Total: 0) SG3 2202 SG3 3241

BUSI621 **Strategic and Transformational IT**

BUSI621 Strategic and Transformational IT; (2 credits) Grade Method: REG. *For Majors only or permission of department. Credit will be granted for only one of the following: BUSI620 or BUSI621.* Introduces students to the key issues in managing information technology (IT) and provides an overview of how major IT applications in today's firms support strategic, opertaional, and tactical decisions. Topics include: synchroizing IT and business strategy; the transformational impacts of IT; evaluating and coping with new technologies; governing, managing, and organizing the IT function including outsourcing/offshoring considerations; assessing the business value of IT and justifying IT projects; and managing IT applications in functional areas to support strategy and business process.

0101	Ritu Agarwal **Meets January 21, 2009 - March 10, 2009** TuTh 9:00am - 10:50am	Seats (Total: 50) VMH 1511
0201	Henry Lucas **Meets January 21, 2009 - March 10, 2009** TuTh 1:20pm - 3:10pm	Seats (Total: 50) VMH 1511
BA01	Sunil Mithas **Meets March 30, 2009 - May 14, 2009** M 6:25pm - 10:00pm	Seats (Total: 50) BA 106
DC01	Anand Gopal **Meets March 30, 2009 - May 14, 2009** W 6:25pm - 10:00pm	Seats (Total: 50) DC C2

DC02	Sunil Mithas **Meets March 30, 2009 - May 14, 2009** Th 6:25pm - 10:00pm	Seats (Total: 50) DC C1
DC06	Ritu Agarwal **Meets January 3, 2009 - March 7, 2009** Sa 2:00pm - 6:15pm	Seats (Total: 50) DC C3
GS01	Sunil Mithas **Meets March 30, 2009 - May 14, 2009** Tu 6:25pm - 10:00pm	Seats (Total: 50) SG3 4230

BUSI622 **Managing Digital Business Markets**

BUSI622 Managing Digital Business Markets; (2 credits) Grade Method: REG. *For majors only or permission of department.* The objective is to understand the strategic and tactical issues involved in managing digital businesses and markets. Also, some of the characteristics of digital businesses and markets that make them unique and understand how companies can bes manage them will be examined.

0101	Joseph Bailey **Meets January 21, 2009 - March 10, 2009** TuTh 9:00am - 10:50am	Seats (Total: 50) VMH 1520
0201	Guodong Gao **Meets January 21, 2009 - March 10, 2009** TuTh 1:20pm - 3:10pm	Seats (Total: 50) VMH 1520
BA01	Il-Horn Hann **Meets March 30, 2009 - May 14, 2009** Th 6:25pm - 10:00pm	Seats (Total: 50) BA 304
DC01	Chrysanthos Dellarocas **Meets March 30, 2009 - May 14, 2009** Tu 6:25pm - 10:00pm	Seats (Total: 50) DC C4
DC02	Chrysanthos Dellarocas **Meets March 30, 2009 - May 14, 2009** M 6:25pm - 10:00pm	Seats (Total: 50) DC C6

DC06	Chrysanthos Dellarocas **Meets January 3, 2009 - March 7, 2009** Sa 2:00pm - 6:15pm	Seats (Total: 50) DC C5
GS01	Il-Horn Hann **Meets March 30, 2009 - May 14, 2009** W 6:25pm - 10:00pm	Seats (Total: 50) SG3 4230

BUSI630 **Data Models and Decisions**

BUSI630 *(PermReq)* **Data Models and Decisions; (3 credits)** Grade Method: REG. *For BMGT majors only. Credit will be granted for only one of the following: BMGT 630 or BUSI 630. Formerly BMGT630.* To develop probabilistic and statistical concepts, methods and models through examples motivated by real-life data from business and to stress the role that statistics plays in the managerial decision making process. Non-majors should review their registration eligibility in the statement preceding the BUSI courses.

BA01	Bellur Srikar **Meets January 26, 2009 - May 14, 2009** W 7:00pm - 9:40pm	Seats (Total: 0) BA 106
DC01	Itir Karaesmen-Aydin **Meets January 26, 2009 - May 14, 2009** M 7:00pm - 9:40pm	Seats (Total: 0) DC C1
DC02	Bellur Srikar **Meets January 26, 2009 - May 14, 2009** Tu 7:00pm - 9:40pm	Seats (Total: 0) DC C1
GS01	Itir Karaesmen-Aydin **Meets January 26, 2009 - May 14, 2009** Th 7:00pm - 9:40pm	Seats (Total: 0) SG3 4202

BUSI634 **Operations Management**

BUSI634 *(PermReq)* **Operations Management; (2 credits)** Grade Method: REG.
For majors only or permission of department. Operations management is concerned with efficient and effective design and operation of business processes for delivering products and/or services. Emphasis is given to process analysis and design, capacity management and bottlenecks, waiting lines and the impact of uncertainty in process performance, quality management, lean, six-sigma, and revenue management.

0101	Yi Xu **Meets March 25, 2009 - May 12, 2009** MW 9:20am - 11:10am	Seats (Total: 0) VMH 1511
0201	Yi Xu **Meets March 25, 2009 - May 12, 2009** MW 11:20am - 1:10pm	Seats (Total: 0) VMH 1511
BA04	Manu Goyal **Meets February 28, 2009 - April 11, 2009** W 6:00pm - 10:00pm Sa 1:30pm - 5:50pm	Seats (Total: 0) BA 304 BA 304
GS04	Manu Goyal **Meets February 28, 2009 - April 11, 2009** Tu 6:00pm - 10:00pm Sa 8:00am - 12:20pm	Seats (Total: 0) SG3 3202 SG3 3241

BUSI647 **Entrepreneurial Finance and Private Equity**

BUSI647 Entrepreneurial Finance and Private Equity; (2 credits) Grade Method: REG/AUD.
Prerequisite: BUSI640. For majors only or permission of department. An advanced topics course in Corporate Finance. The major emphasis is how financiers help firms plan for growth and finance firms using different types of securities at different points in the industry's and firm's life. Securities will include private financings and placements, Venture Capital (VC), Initial Public Offerings (IPOs), Private Equity and Leveraged Buyouts.

0101	Gordon Phillips **Meets January 21, 2009 - March 10, 2009** MW 3:25pm - 5:15pm	Seats (Total: 50) VMH 1505

BA01	Gordon Phillips **Meets January 26, 2009 - March 12, 2009** M 6:25pm - 10:00pm	Seats (Total: 50) BA 730
DC01	Gordon Phillips **Meets January 26, 2009 - March 12, 2009** W 6:25pm - 10:00pm	Seats (Total: 50) DC C2

BUSI650 **Marketing Management**

BUSI650 *(PermReq)* **Marketing Management; (2 credits)** Grade Method: REG. *For BMGT majors only. Credit will be granted for only one of the following: BMGT 650 or BUSI 650. Formerly BMGT650.* Analysis of marketing problems and evaluation of specific marketing efforts regarding the organization's products and services, pricing activities, channel selection, and promotion strategies in both domestic and international markets. Non-majors should review their registration eligibility in the statement preceding the BUSI courses.

BA01	Diane Whitney **Meets January 26, 2009 - March 12, 2009** M 6:25pm - 10:00pm	Seats (Total: 0) BA 106
DC01	Anastasiya Pocheptsova **Meets January 26, 2009 - March 12, 2009** W 6:25pm - 10:00pm	Seats (Total: 0) DC C1
DC02	Anastasiya Pocheptsova **Meets January 26, 2009 - March 12, 2009** Th 6:25pm - 10:00pm	Seats (Total: 0) DC C1
DC06	Diane Whitney **Meets March 14, 2009 - May 23, 2009** Sa 2:00pm - 6:15pm	Seats (Total: 0) DC C1
GS01	Sanal Mazvancheryl **Meets January 26, 2009 - March 12, 2009** Tu 6:25pm - 10:00pm	Seats (Total: 0) SG3 4202

BUSI660 **Entrepreneurship and New Ventures**

BUSI660 Entrepreneurship and New Ventures; (2 credits) Grade Method: REG.
For BMGT majors only. Credit will be granted for only one of the following: BUMO732 or BUSI660. Provides an introduction to important tools and skills necessary to create and grow a successful new venture. Integrates research findings from a range of different practical and intellectual perspectives, including psychology, sociology, economics, strategic management, and history into practical, hands on lessons for an entrepreneur. Class projects provide the foundations for new, real businesses.

BA01	David Kirsch **Meets January 26, 2009 - March 13, 2009** Th 6:25pm - 10:00pm	Seats (Total: 50) BA 106
DC01	David Kirsch **Meets January 26, 2009 - March 14, 2009** M 6:25pm - 10:00pm	Seats (Total: 50) DC C3
GS01	David Kirsch **Meets January 26, 2009 - March 13, 2009** W 6:25pm - 10:00pm	Seats (Total: 50) SG3 4216

BUSI661 **Creativity for Business Leaders and Entrepreneurs**

BUSI661 Creativity for Business Leaders and Entrepreneurs; (2 credits) Grade Method: REG.
For BMGT majors only. Examines the concept of creativity as it applies in today's and tomorrow's complex business environment. An overview of the cognitive foundations of creativity, examines many of the preconceived notions about creativity in business and discusses multiple ways in which creativity can help business leaders and entrepreneurs to succeed. Topics include creativity techniques for groups and individuals, creativity as a foundation to recognize business opportunities and develop innovative products and services, selecting ideas and making them stick, mental and organizational obstacles to creativity as well as an overview of electronic tools to increase creative capability.

DC01	Oliver Schlake **Meets January 26, 2009 - March 14, 2009** Th 6:25pm - 10:00pm	Seats (Total: 50) DC C2

GS01	Oliver Schlake **Meets January 26, 2009 - March 14, 2009** Tu 6:25pm - 10:00pm	Seats (Total: 50) SG3 3219

BUSI664 **Leadership and Managing Human Capital**

BUSI664 *(PermReq)* **Leadership and Managing Human Capital; (3 credits)** Grade Method: REG.
For BMGT majors only. Credit will be granted for only one of the following: BUSI662 and BUSI663 or BUSI664. Examines concepts of leadership and human resource management principles. Emphasizes skill building and creating a competitive advantage by creating a culture that develops extraordinary leaders and unleashes employee talent. Topics include leadership, decision making, communication and conflict, work motivation, teams, ensuring legal compliance and leveraging diversity, recruiting, selecting and retaining qualified employees who fit the job and the organization, measuring performance and providing feedback, and managing changes in leadership and HR strategy.

BA04	Matthew Pearsall **Meets January 24, 2009 - February 25, 2009** W 6:00pm - 10:00pm Sa 8:30am - 6:30pm	Seats (Total: 0) BA 304 BA 304
GS04	Matthew Pearsall **Meets January 27, 2009 - February 24, 2009** Tu 6:00pm - 10:00pm Sa 8:30am - 6:30pm	Seats (Total: 0) SG3 3202 SG3 3241

BUSI667 **Cross-Cultural Communication and Teamwork**

BUSI667 *(PermReq)* **Cross-Cultural Communication and Teamwork; (2 credits)** Grade Method: REG/AUD.
For majors only or permission of department. Provide managers a sound basis for developing such competencies. Specifically, we will develop an understanding of key cultural differences, and how these differences influence the management of individuals, groups, and organizations.

BA01	Subrahmaniam Tangirala **Meets March 30, 2009 - May 14, 2009** Tu 6:25pm - 10:00pm	Seats (Total: 0) BA 106
BA04	Subrahmaniam Tangirala **Meets April 15, 2009 - May 27, 2009** W 6:00pm - 10:00pm Sa 8:30am - 12:50pm	Seats (Total: 0) BA 304 BA 304
DC01	Debra Shapiro **Meets March 30, 2009 - May 14, 2009** W 6:25pm - 10:00pm	Seats (Total: 0) DC C3
DC02	Subrahmaniam Tangirala **Meets March 30, 2009 - May 14, 2009** Th 6:25pm - 10:00pm	Seats (Total: 0) DC C3
DC06	Debra Shapiro **Meets March 14, 2009 - May 23, 2009** Sa 8:45am - 1:00pm	Seats (Total: 0) DC C3
GS01	Debra Shapiro **Meets March 30, 2009 - May 14, 2009** M 6:25pm - 10:00pm	Seats (Total: 0) SG3 3241
GS04	Gilad Chen **Meets April 14, 2009 - May 26, 2009** Tu 6:00pm - 10:00pm Sa 8:30am - 12:50pm	Seats (Total: 0) SG3 3202 SG3 3241

BUSI672 Global Supply Chain Management

BUSI672 Global Supply Chain Management; (2 credits) Grade Method: REG. *For majors only.* Offers a practical blueprint for understanding, building, implementing, and sustaining supply chains in today's rapidly changing global supply chain environment. It will provide the student with a survey of the fast-moving Supply Chain Management discipline and practice, including the evolution of supply chain strategies, business models and technologies; current best practices in demand and supply management; and methodologies for conducting supply chain-wide diagnostic assessments and formulating process improvement plans.

0101	Sandor Boyson **Meets March 25, 2009 - May 12, 2009** MW 3:25pm - 5:15pm	Seats (Total: 50) VMH 1505
DC01	Thomas Corsi **Meets March 30, 2009 - May 14, 2009** W 6:25pm - 10:00pm	Seats (Total: 50) DC C1
DC02	Thomas Corsi **Meets March 30, 2009 - May 14, 2009** Th 6:25pm - 10:00pm	Seats (Total: 50) DC C4
GS01	Sandor Boyson **Meets March 30, 2009 - May 14, 2009** Tu 6:25pm - 10:00pm	Seats (Total: 50) SG3 4215

BUSI673 **International Economics for Managers**

BUSI673 International Economics for Managers; (2 credits) Grade Method: REG. *For majors only.* Focuses on understanding critical aspects of the global business environment that influence firm decisions and behavior. Globalization is present in market competition, capital markets, and managerial talent as evidenced by free trade areas and economic unions forming, the volatility in global financial markets, and the continued rise of transnational firms. With globalization, the challenge for firms is to acknowledge, understand and act when appropriate - to act by sourcing, lobbying, and relocating value chain activities internationally.

0101	Wilbur Chung **Meets March 25, 2009 - May 12, 2009** MW 11:20am - 1:10pm	Seats (Total: 50) VMH 1505

0201	Wilbur Chung **Meets March 25, 2009 - May 12, 2009** MW 9:20am - 11:10am	Seats (Total: 50) VMH 1505
BA01	Yue Zhou **Meets March 30, 2009 - May 14, 2009** Th 6:25pm - 10:00pm	Seats (Total: 50) BA 106
DC01	Wilbur Chung **Meets March 30, 2009 - May 14, 2009** M 6:25pm - 10:00pm	Seats (Total: 50) DC C3
DC02	Wilbur Chung **Meets March 30, 2009 - May 14, 2009** Tu 6:25pm - 10:00pm	Seats (Total: 50) DC C3
DC06	Yue Zhou **Meets March 14, 2009 - May 23, 2009** Sa 2:00pm - 6:15pm	Seats (Total: 50) DC C4

BUSI674 **Globalizing the Enterprise**

BUSI674 Globalizing the Enterprise; (2 credits) Grade Method: REG/AUD. *For majors only or permission of department.* Focuses on the "strategic" and "organizational" questions that a company must address as it globalizes its footprint. Among the questions that will be addressed are: What are the potential benefits, costs, and risks associated with going abroad? What differentiates a "global" from a "multidomestic" industry? What are the sources of competitive advantagein a global context?

BA01	Paulo Prochno **Meets March 30, 2009 - May 14, 2009** M 6:25pm - 10:00pm	Seats (Total: 50) BA 730
DC06	Paulo Prochno **Meets March 14, 2009 - May 23, 2009** Sa 2:00pm - 6:15pm	Seats (Total: 50) DC C3

GS01	Vinod Jain	Seats (Total: 50)
	Meets March 30, 2009 - May 14, 2009	
	W 6:25pm - 10:00pm	SG3 4211

BUSI681 **Managerial Economics and Public Policy**

BUSI681 *(PermReq)* **Managerial Economics and Public Policy; (2 credits)** Grade Method: REG/AUD.
For BMGT majors only. Credit will be granted for only one of the following: BMGT 681 or BUSI 681. Formerly BMGT681. Basic microeconomic principles used by firms, including supply and demand, elasticities, costs, productivity, pricing, market structure and competitive implications of alternative market structures. Market failures and government intervention. Public policy processes affecting business operations.

DC06	Robert Windle	Seats (Total: 0)
	Meets January 3, 2009 - March 7, 2009	
	Sa 2:00pm - 6:15pm	DC C1

BUSI683 **The Global Economic Environment**

BUSI683 *(PermReq)* **The Global Economic Environment; (2 credits)** Grade Method: REG.
For BMGT majors only. Credit will be granted for only one of the following: BMGT 683 or BUSI 683. Formerly BMGT683. Relationship between national and international economic environments. Determinants of output, interest rates, prices and exchange rates. Analysis of effect of economic policies (fiscal, monetary, trade, tax) on the firm and the economy. Non-majors should review their registration eligibility in the statement preceding the BUSI courses.

0101	Curtis Grimm	Seats (Total: 0)
	Meets January 21, 2009 - March 10, 2009	
	MW 9:20am - 11:10am	VMH 1505
0201	Curtis Grimm	Seats (Total: 0)
	Meets January 21, 2009 - March 10, 2009	
	MW 11:20am - 1:10pm	VMH 1505

DC06	Cristian Dezso **Meets March 14, 2009 - May 23, 2009** Sa 8:45am - 1:00pm	Seats (Total: 0) DC C1

BUSI690 **Strategic Management**

BUSI690 *(PermReq)* **Strategic Management; (2 credits)** Grade Method: REG. *Prerequisites: BMGT 620, BMGT 640, BMGT 650, BMGT 681 and BMGT 683. For BMGT majors only. Credit will be granted for only one of the following: BMGT 690 or BUSI 690. Formerly BMGT690.* Integrative strategic management focusing on strategy formulation and implementation in domestic and global settings. Industry and competitor analysis, industry and firm value chain, leadership, goal setting, organizational structure and culture. Case study approach to top management and organizational problems. Non-majors should review their registration eligibility in the statement preceding the BUSI courses.

0101	Rafael Corredoira **Meets March 25, 2009 - May 12, 2009** Th 8:40am - 12:15pm	Seats (Total: 0) VMH 1511
0201	Rafael Corredoira **Meets March 25, 2009 - May 12, 2009** Tu 8:40am - 12:15pm	Seats (Total: 0) VMH 1511

BUSI691 **Integrative Business Plan Competition**

BUSI691 Integrative Business Plan Competition; (2 credits) Grade Method: REG. *For majors only or permission of department.* Designed to inspire and enable students to develop new business products, services, processes and management models. Three-person teams create a business plan to commercialize an innovation and submit the plan to the MBA business plan competition. The plan can involve creation of independent ventures or ventures within an established business.

0101	J Baum **Meets January 30, 2009 - May 8, 2009** F 9:00am - 1:00pm	Seats (Total: 127) VMH 1212

BUSI698 **MBA Consulting Project**

BUSI698 *(PermReq)* **MBA Consulting Project; (3-6 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

BUSI698D **MBA Consulting Project; New Market Growth Fund**
Contact department for information to register for this course.

BUSI758P **Special Topics in Business; Public Policy & Private Enterprise in National Security**

BUSI758P Special Topics in Business: Public Policy & Private Enterprise in National Security; (3 credits) Grade Method: REG/AUD.

0101	Jacques Gansler M 4:15pm - 6:45pm	Seats (Total: 20) Location: TBA

BUSI758R **Special Topics in Business; Corporate Social Responsibility and Ethics**

BUSI758R *(PermReq)* **Special Topics in Business: Corporate Social Responsibility and Ethics; (2 credits)** Grade Method: REG/AUD.

BA01	Brian Nelson, Jian-Yu Ke, Anirudha Roy Chowdhury **Meets January 26, 2009 - March 13, 2009** Tu 6:25pm - 10:00pm	Seats (Total: 0) BA 106
BA04	Anirudha Roy Chowdhury, Brian Nelson, Jian-Yu Ke **Meets April 22, 2009 - May 26, 2009** W 6:00pm - 10:00pm Sa 1:30pm - 5:50pm	Seats (Total: 0) BA 304 BA 304
DC01	Jian-Yu Ke, Anirudha Roy Chowdhury, Brian Nelson **Meets January 26, 2009 - March 13, 2009** W 6:25pm - 10:00pm	Seats (Total: 0) DC C3
DC02	Alan Jacobs **Meets January 26, 2009 - March 13, 2009** Th 6:25pm - 10:00pm	Seats (Total: 0) DC C3

DC06	Brian Nelson, Jian-Yu Ke, Anirudha Roy Chowdhury **Meets January 3, 2009 - March 7, 2009** Sa 8:45am - 1:00pm *Meets 1/3, 1/10, 1/24, 1/31, 2/14, 2/21, Final3/7*	Seats (Total: 0) DC C3
GS01	Anirudha Roy Chowdhury, Jian-Yu Ke, Brian Nelson **Meets January 26, 2009 - March 13, 2009** M 6:25pm - 10:00pm	Seats (Total: 0) SG3 2202
GS04	Alan Jacobs **Meets April 21, 2009 - May 27, 2009** Tu 6:00pm - 10:00pm Sa 1:30pm - 5:50pm	Seats (Total: 0) SG3 3241 SG3 3241

BUSI758T **Special Topics in Business; Fundamentals of Technology Start-Up Ventures**

BUSI758T Special Topics in Business: Fundamentals of Technology Start-Up Ventures; (3 credits) Grade Method: REG/AUD.
Also offered as ENES460. Fundamental aspects of creating, organizing, fu nding, managing, and growing a technology startup venture. This multidis ciplinary course will draw on management, business, legal, financial, as well as technical, concepts. Students form teams and develop a business for a technology company, bases on each team's own business idea and th en present the plan to a panel of outside experts.

0101	Alexander Lee, Dean Chang, James Chung M 2:00pm - 4:40pm	Seats (Total: 30) TAP 1103

BUSI759 **Independent Study in Business**

BUSI759 *(PermReq)* **Independent Study in Business; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

BUSI764 **Business Law for Managers**

BUSI764 Business Law for Managers; (2 credits) Grade Method: REG.
For majors only or permission of department. Credit will be granted for only one of the following: BMGT793 or BUSI764. Formerly BMGT793. Survey of United States legal institutions and processes as well as substantive areas of the law that affect business. Examination of tort and contract law, the legal forms of business organization and legal liability and major regulatory laws that affect business.

DC06	William McClenahan **Meets January 24, 2009 - March 14, 2009** Sa 8:40am - 12:50pm *Meets 01/24, 01/31, 02/14, 02,21, 03/07, 03/14.*	Seats (Total: 35) DC C5

BUSI771 **New Venture Financing**

BUSI771 New Venture Financing; (3 credits) Grade Method: REG.
Prerequisite: BUSI 640 or permission of department. Credit will be granted for only one of the following: BMGT 740 or BUSI 771. Formerly BMGT740. Development of skills for financing new ventures (both small and potentially large). Exploration of various funding sources. Criteria used in evaluation and decision process, including commercial banks, venture capital companies, small business investment companies, underwriters, private placement-financial consultants, mortgage bankers, and small business innovative research grants (U.S. Government). Topics will include: methods of financing, techniques for valuing new businesses, financial structure, and evaluation methods used by investors and lenders. Non-majors should review their registration eligibility in the statement preceding the BUSI courses.

0101	Michael Lawless **Meets January 21, 2009 - May 12, 2009** MW 2:00pm - 3:15pm	Seats (Total: 40) VMH 1505
DC06	Jonathan Aberman **Meets January 24, 2009 - May 16, 2009** Sa 8:15am - 1:00pm	Seats (Total: 40) DC C2
GS01	Michael Lawless M 7:00pm - 9:40pm	Seats (Total: 40) SG3 4211

BUSI785 **Project Management in Dynamic Environments**

BUSI785 Project Management in Dynamic Environments; (2 credits) Grade Method: REG/AUD.

For majors only or permission of department. Addresses project management skills that are required by successful managers in increasingly competitive and faster-moving environments. Examines fundamental concepts of successful project management, and the technical and managerial issues, methods, and techniques.

0101	Barnet Corwin **Meets March 25, 2009 - May 12, 2009** TuTh 3:20pm - 5:10pm	Seats (Total: 24) VMH 3330H
BA01	Barnet Corwin **Meets March 28, 2009 - May 12, 2009** Sa 8:30am - 3:45pm *Meets 3/28, 4/11, 4/25, and 5/9.*	Seats (Total: 35) BA 150

BUSI799 **Masters Thesis Research**

BUSI799 *(PermReq)* **Masters Thesis Research; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

For Smith School MS Students only.

Contact department for information to register for this course.

CBMG Cell Biology & Molecular Genetics Spring 2009

CBMG688B **Special Topics in Cell Biology and Molecular Genetics; Genetics: Bioethics**

CBMG688B Special Topics in Cell Biology and Molecular Genetics: Genetics: Bioethics; (1 credit) Grade Method: REG/AUD.

0101	Anne Simon **Meets March 16, 2009 - May 9, 2009** M 8:00am - 10:00am	Seats (Total: 20) MCB 2119

CBMG688C **Special Topics in Cell Biology and Molecular Genetics; Research Experiences**

CBMG688C Special Topics in Cell Biology and Molecular Genetics: Research Experiences; (2 credits) Grade Method: REG/AUD.

0101	Jeffrey DeStefano	Seats (Total: 40)
	Contact instructor or department for details.	

CBMG688F **Special Topics in Cell Biology and Molecular Genetics; Genetics I: Gene Expression**

CBMG688F Special Topics in Cell Biology and Molecular Genetics: Genetics I: Gene Expression; (2 credits) Grade Method: REG/AUD.

0101	Jonathan Dinman	Seats (Total: 35)
	Meets January 26, 2009 - March 13, 2009	
	TuTh 4:00pm - 6:00pm	MCB 1207

CBMG688G **Special Topics in Cell Biology and Molecular Genetics; General Bioinformatics: Comparative Methods**

CBMG688G Special Topics in Cell Biology and Molecular Genetics: General Bioinformatics: Comparative Methods; (2 credits) Grade Method: REG/AUD.

0101	Charles Delwiche	Seats (Total: 20)
	Meets January 26, 2009 - March 13, 2009	
	MW 4:00pm - 6:00pm	BPS 1234

CBMG688I **Special Topics in Cell Biology and Molecular Genetics; Genetics II**

CBMG688I *(PermReq)* **Special Topics in Cell Biology and Molecular Genetics: Genetics II; (2 credits)** Grade Method: REG/AUD.
Click here for more course information.

0101	Stephen Mount	Seats (Total: 30)
	Meets March 16, 2009 - May 12, 2009	
	TuTh 4:00pm - 6:00pm	MCB 1207

CBMG688L **Special Topics in Cell Biology and Molecular Genetics; Microbial Pathogenesis**

CBMG688L Special Topics in Cell Biology and Molecular Genetics: Microbial Pathogenesis; (2 credits) Grade Method: REG/AUD.

0101	Lianyong Gao, Volker Briken	Seats (Total: 20)
	Meets January 26, 2009 - March 13, 2009	
	MW 8:00am - 10:00am	MCB 2119

CBMG688Q **Special Topics in Cell Biology and Molecular Genetics; Comparative Bioinformatics**

CBMG688Q Special Topics in Cell Biology and Molecular Genetics: Comparative Bioinformatics; (3 credits) Grade Method: REG/AUD.

0101	Charles Delwiche	Seats (Total: 10)
	MW 4:00pm - 6:00pm	BPS 1234

CBMG688R **Special Topics in Cell Biology and Molecular Genetics; Plant II: Plant Development and Physiology**

CBMG688R Special Topics in Cell Biology and Molecular Genetics: Plant II: Plant Development and Physiology; (2 credits) Grade Method: REG/AUD.

0101	Heven Sze	Seats (Total: 20)
	Meets March 16, 2009 - May 12, 2009	
	MW 4:00pm - 6:00pm	HJP 1216

CBMG688X **Special Topics in Cell Biology and Molecular Genetics; Virology Program**

CBMG688X Special Topics in Cell Biology and Molecular Genetics: Virology Program; (2 credits) Grade Method: REG/AUD.

0101	Anne Simon	Seats (Total: 20)
	F 3:00pm - 5:00pm	HJP 1216

CBMG699 **Special Problems in Cell Biology and Molecular Genetics**

CBMG699 Special Problems in Cell Biology and Molecular Genetics; (1-3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CBMG699D **Special Problems in Cell Biology and Molecular Genetics; Molecular Genetics: Bioinformatics and Computation Biology**

CBMG699D Special Problems in Cell Biology and Molecular Genetics: Molecular Genetics: Bioinformatics and Computation Biology; (1 credit) Grade Method: REG/AUD.

0101	Stephen Mount Th 2:00pm - 3:00pm	Seats (Total: 20) AGL 3118

CBMG699T **Special Problems in Cell Biology and Molecular Genetics; Molecular Genetics: Genetics of Eukaryotic Model Systems**

CBMG699T Special Problems in Cell Biology and Molecular Genetics: Molecular Genetics: Genetics of Eukaryotic Model Systems; (1 credit) Grade Method: REG/AUD.

0101	Stephen Mount F 3:30pm - 6:00pm	Seats (Total: 20) HJP 2242

CBMG699X **Special Problems in Cell Biology and Molecular Genetics; Host Pathogen Interactions**

CBMG699X Special Problems in Cell Biology and Molecular Genetics: Host Pathogen Interactions; (1 credit) Grade Method: REG/AUD.

0101	David Mosser F 9:00am - 10:30am	Seats (Total: 20) BRB 3101

CBMG699Y **Special Problems in Cell Biology and Molecular Genetics; Plant Cell Biology**

CBMG699Y Special Problems in Cell Biology and Molecular Genetics: Plant Cell Biology; (1 credit) Grade Method: REG/AUD.

0101	June Kwak M 12:00pm - 1:00pm	Seats (Total: 20) HJP 2242

CBMG699Z **Special Problems in Cell Biology and Molecular Genetics; Protein Translation**

CBMG699Z Special Problems in Cell Biology and Molecular Genetics: Protein Translation; (1 credit) Grade Method: REG/AUD.

0101	Jonathan Dinman F 9:30am - 10:30am	Seats (Total: 20) MCB 1121

CBMG799 **Masters Thesis Research**

CBMG799 Masters Thesis Research; (1-6 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CBMG898 **Pre-Candidacy Research**

CBMG898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CBMG899 **Doctoral Dissertation Research**

CBMG899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CCJS Criminology and Criminal Justice Spring 2009

CCJS100 **Introduction to Criminal Justice**

CCJS100 Introduction to Criminal Justice; (3 credits) Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course.
Formerly CJUS100. Introduction to the administration of criminal justice in a democratic society, with emphasis on the theoretical and historical development of law enforcement. The principles of organization and administration for law enforcement; functions and specific activities; planning and research; public relations; personnel and training; inspection and control; direction; policy formulation.

0101	Arnett Gaston Th 3:30pm - 4:20pm Class time/details on ELMs M 9:00am - 9:50am	Seats (Total: 30) TYD 0130 ONLINE COL 3110	 Discussion
0102	Arnett Gaston Th 3:30pm - 4:20pm Class time/details on ELMs M 11:00am - 11:50am	Seats (Total: 30) TYD 0130 ONLINE TYD 1108	 Discussion

0103	Arnett Gaston Th 3:30pm - 4:20pm Class time/details on ELMs M 12:00pm - 12:50pm	Seats (Total: 30) TYD 0130 ONLINE ARC 1103	Discussion
0104	Arnett Gaston Th 3:30pm - 4:20pm Class time/details on ELMs Tu 9:30am - 10:20am	Seats (Total: 30) TYD 0130 ONLINE COL 3112	Discussion
0105	Arnett Gaston Th 3:30pm - 4:20pm Class time/details on ELMs M 12:00pm - 12:50pm	Seats (Total: 30) TYD 0130 ONLINE TYD 2108	Discussion
0106	Arnett Gaston Th 3:30pm - 4:20pm Class time/details on ELMs Tu 11:00am - 11:50am	Seats (Total: 30) TYD 0130 ONLINE COL 0102	Discussion
0107	Arnett Gaston Th 3:30pm - 4:20pm Class time/details on ELMs Tu 9:30am - 10:20am	Seats (Total: 30) TYD 0130 ONLINE TLF 1103	Discussion
0108	Arnett Gaston Th 3:30pm - 4:20pm Class time/details on ELMs W 10:00am - 10:50am	Seats (Total: 30) TYD 0130 ONLINE TYD 0101	Discussion
0109	Arnett Gaston Th 3:30pm - 4:20pm Class time/details on ELMs W 12:00pm - 12:50pm	Seats (Total: 30) TYD 0130 ONLINE TLF 1103	Discussion
0110	Arnett Gaston Th 3:30pm - 4:20pm Class time/details on ELMs W 2:00pm - 2:50pm	Seats (Total: 30) TYD 0130 ONLINE HBK 1112	Discussion

0111	Arnett Gaston Th 3:30pm - 4:20pm Class time/details on ELMs Th 12:30pm - 1:20pm	Seats (Total: 30) TYD 0130 ONLINE LEF 1220	Discussion
0112	Arnett Gaston Th 3:30pm - 4:20pm Class time/details on ELMs Th 2:00pm - 2:50pm	Seats (Total: 30) TYD 0130 ONLINE TYD 2108	Discussion
0113	Arnett Gaston Th 3:30pm - 4:20pm Class time/details on ELMs W 3:00pm - 3:50pm	Seats (Total: 30) TYD 0130 ONLINE CHM 0122	Discussion
0114	Arnett Gaston Th 3:30pm - 4:20pm Class time/details on ELMs Th 2:00pm - 2:50pm	Seats (Total: 30) TYD 0130 ONLINE MTH B0429	Discussion
0201	Arnett Gaston M 4:00pm - 4:50pm Class time/details on ELMs W 2:00pm - 2:50pm *There will be a webct component that will account for the third hour.*	Seats (Total: 30) SHM 2102 ONLINE TYD 0101	Discussion
0202	Arnett Gaston M 4:00pm - 4:50pm Class time/details on ELMs M 3:00pm - 3:50pm *There will be a webct component that will account for the third hour.*	Seats (Total: 30) SHM 2102 ONLINE TYD 0101	Discussion
0203	Arnett Gaston M 4:00pm - 4:50pm Class time/details on ELMs W 12:00pm - 12:50pm *There will be a webct component that will account for the third hour.*	Seats (Total: 30) SHM 2102 ONLINE TYD 0101	Discussion

0204	Arnett Gaston M 4:00pm - 4:50pm Class time/details on ELMs Tu 11:00am - 11:50am	Seats (Total: 30) SHM 2102 ONLINE MTH 0201	Discussion
	There will be a webct component that will account for the third hour.		

CCJS100H **Introduction to Criminal Justice**

CCJS100H Introduction to Criminal Justice; (3 credits) Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course.
Formerly CJUS100. For general honors students only. ***THERE WILL BE AN ONLINE COMPONENT THAT WILL ACCOUNT FOR THE THIRD HOUR.***

0101	Arnett Gaston Th 3:30pm - 4:20pm Contact instructor or department for details. Th 4:30pm - 5:20pm	Seats (Total: 25) TYD 0130 TYD 1114	Discussion

CCJS105 **Introduction to Criminology**

CCJS105 Introduction to Criminology; (3 credits) Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course.
Formerly CRIM220. Criminal behavior and the methods of its study; causation; typologies of criminal acts and offenders; punishment, correction and incapacitation; prevention of crime.

0101	Sally Simpson MW 10:00am - 10:50am M 9:00am - 9:50am	Seats (Total: 33) TYD 0130 TYD 1114	Discussion
0102	Sally Simpson MW 10:00am - 10:50am M 11:00am - 11:50am	Seats (Total: 32) TYD 0130 HBK 0105	Discussion
0103	Sally Simpson MW 10:00am - 10:50am M 12:00pm - 12:50pm	Seats (Total: 32) TYD 0130 TYD 0101	Discussion

0104	Sally Simpson MW 10:00am - 10:50am Tu 2:00pm - 2:50pm	Seats (Total: 33) TYD 0130 TYD 1101	Discussion
0105	Sally Simpson MW 10:00am - 10:50am M 1:00pm - 1:50pm	Seats (Total: 32) TYD 0130 TYD 0101	Discussion
0106	Sally Simpson MW 10:00am - 10:50am W 9:00am - 9:50am	Seats (Total: 32) TYD 0130 LEF 1220	Discussion
0107	Sally Simpson MW 10:00am - 10:50am W 11:00am - 11:50am	Seats (Total: 32) TYD 0130 TYD 0101	Discussion
0108	Sally Simpson MW 10:00am - 10:50am M 11:00am - 11:50am	Seats (Total: 32) TYD 0130 TYD 0101	Discussion
0109	Sally Simpson MW 10:00am - 10:50am Th 11:00am - 11:50am	Seats (Total: 30) TYD 0130 EDU 3233	Discussion
0110	Sally Simpson MW 10:00am - 10:50am F 11:00am - 11:50am	Seats (Total: 32) TYD 0130 HBK 1112	Discussion
0201	Jennifer Varriale TuTh 2:00pm - 2:50pm M 10:00am - 10:50am	Seats (Total: 30) CHM 1407 TYD 1114	Discussion
0202	Jennifer Varriale TuTh 2:00pm - 2:50pm M 1:00pm - 1:50pm	Seats (Total: 30) CHM 1407 LEF 1220	Discussion
0203	Jennifer Varriale TuTh 2:00pm - 2:50pm F 12:00pm - 12:50pm	Seats (Total: 30) CHM 1407 TYD 0101	Discussion

0204	Jennifer Varriale TuTh 2:00pm - 2:50pm F 2:00pm - 2:50pm	Seats (Total: 30) CHM 1407 LEF 1220	Discussion
0205	Jennifer Varriale TuTh 2:00pm - 2:50pm W 10:00am - 10:50am	Seats (Total: 30) CHM 1407 TYD 2108	Discussion
0206	Jennifer Varriale TuTh 2:00pm - 2:50pm W 12:00pm - 12:50pm	Seats (Total: 30) CHM 1407 TYD 2110	Discussion
0207	Jennifer Varriale TuTh 2:00pm - 2:50pm W 1:00pm - 1:50pm	Seats (Total: 30) CHM 1407 LEF 1201	Discussion
0208	Jennifer Varriale TuTh 2:00pm - 2:50pm M 1:00pm - 1:50pm	Seats (Total: 30) CHM 1407 LEF 1201	Discussion
0209	Jennifer Varriale TuTh 2:00pm - 2:50pm M 2:00pm - 2:50pm	Seats (Total: 30) CHM 1407 TYD 0101	Discussion
0210	Jennifer Varriale TuTh 2:00pm - 2:50pm F 12:00pm - 12:50pm	Seats (Total: 30) CHM 1407 ARC 1103	Discussion
0301	Jennifer Gibbs TuTh 12:30pm - 1:20pm Tu 3:00pm - 3:50pm	Seats (Total: 30) SKN 0200 ARM 0103	Discussion
0302	Jennifer Gibbs TuTh 12:30pm - 1:20pm M 9:00am - 9:50am	Seats (Total: 30) SKN 0200 LEF 1220	Discussion
0303	Jennifer Gibbs TuTh 12:30pm - 1:20pm Th 2:00pm - 2:50pm	Seats (Total: 30) SKN 0200 SQH 2117	Discussion

0304	Jennifer Gibbs TuTh 12:30pm - 1:20pm W 3:00pm - 3:50pm	Seats (Total: 30) SKN 0200 ARM 0105	Discussion
0305	Jennifer Gibbs TuTh 12:30pm - 1:20pm Th 9:30am - 10:20am	Seats (Total: 30) SKN 0200 JMZ 2123	Discussion
0306	Jennifer Gibbs TuTh 12:30pm - 1:20pm M 11:00am - 11:50am	Seats (Total: 30) SKN 0200 LEF 1220	Discussion
0307	Jennifer Gibbs TuTh 12:30pm - 1:20pm Th 2:00pm - 2:50pm	Seats (Total: 30) SKN 0200 COL 0113	Discussion
0308	Jennifer Gibbs TuTh 12:30pm - 1:20pm Tu 2:00pm - 2:50pm	Seats (Total: 30) SKN 0200 TLF 1103	Discussion
0309	Jennifer Gibbs TuTh 12:30pm - 1:20pm Tu 2:00pm - 2:50pm	Seats (Total: 30) SKN 0200 ARM 0103	Discussion
0310	Jennifer Gibbs TuTh 12:30pm - 1:20pm Tu 11:00am - 11:50am	Seats (Total: 30) SKN 0200 PHY 4220	Discussion

CCJS200 **Statistics for Criminology and Criminal Justice**

CCJS200 *(PermReq)* **Statistics for Criminology and Criminal Justice; (3 credits)**
Grade Method: REG/P-F/AUD.
Prerequisites: CCJS100 or CCJS105, and MATH111 with a grade of C or higher. Credit will be granted for only one of the following: BIOM301, BMGT230, ECON321, EDMS451, GEOG305, GVPT422, PSYC200, and SOCY201. Introduction to descriptive and inferential statistics, graphical techniques, and the computer analysis of criminology and criminal justice data. Basic procedures of hypothesis testing, correlation and regression analysis, and the analysis of continuous and binary dependent variables. Emphasis upon the examination of research problems and issues in criminology and criminal justice.

0101	David Hull TuTh 9:30am - 10:45am Th 12:30pm - 1:20pm	Seats (Total: 30) HJP 0226 COL 3112	Discussion
0102	David Hull TuTh 9:30am - 10:45am Th 2:00pm - 2:50pm	Seats (Total: 30) HJP 0226 COL 3112	Discussion
0103	David Hull TuTh 9:30am - 10:45am F 12:00pm - 12:50pm	Seats (Total: 30) HJP 0226 TYD 0102	Discussion
0201	Brian Johnson TuTh 11:00am - 12:15pm F 9:00am - 9:50am	Seats (Total: 30) HJP 2242 TYD 2102	Discussion
0202	Brian Johnson TuTh 11:00am - 12:15pm F 11:00am - 11:50am	Seats (Total: 30) HJP 2242 TYD 0111	Discussion
0203	Brian Johnson TuTh 11:00am - 12:15pm F 10:00am - 10:50am	Seats (Total: 30) HJP 2242 ASY 3203	Discussion

CCJS230 **Criminal Law in Action**

CCJS230 *(PermReq)* **Criminal Law in Action; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: CCJS100. Law as one of the methods of social control. Criminal law: its nature, sources and types; theories and historical developments. Behavioral and legal aspects of criminal acts. Classification and analysis of selected criminal offenses.

0101	Cortney Fisher TuTh 9:30am - 10:45am	Seats (Total: 155) SHM 2102	
0201	Russell Hamill Th 4:00pm - 6:45pm	Seats (Total: 175) SHM 2102	

CCJS234 **Law of Criminal Investigation**

CCJS234 *(PermReq)* **Law of Criminal Investigation; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: CCJS100 and CCJS230. General principles and theories of criminal procedure. Due process. Arrest, search and seizure. Recent developments. Study and evaluation of evidence and proof.

0101	David Salem TuTh 8:00am - 9:15am	Seats (Total: 150) LEF 2205

CCJS300 **Criminological and Criminal Justice Research Methods**

CCJS300 *(PermReq)* **Criminological and Criminal Justice Research Methods; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisites: CCJS100 and CCJS105; and one of the following: CCJS200 or SOCY201 or PSYC200 or ECON321 or BMGT230. Introduction to the formulation of research questions covering crime and justice, research designs, data collection, and interpretation and reporting in criminological and justice-system settings.

0101	Laure Brooks MWF 9:00am - 9:50am	Seats (Total: 60) TYD 1102
0201	Laure Brooks MWF 11:00am - 11:50am	Seats (Total: 60) TYD 2111
0301	Alan Lehman TuTh 12:30pm - 1:45pm	Seats (Total: 60) CCC 1100
0401	Alan Lehman TuTh 11:00am - 12:15pm	Seats (Total: 60) CCC 1100

CCJS320 **Introduction to Criminalistics**

CCJS320 *(PermReq)* **Introduction to Criminalistics; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: CCJS100 and CCJS230. An introduction to modern methods used in the detection, investigation and solution of crimes. Practical analysis of evidence in a crime laboratory, including fingerprints and other impressions, firearms ID and ballistics, hairs and fibers, document examination, and use of polygraph. Students will be separated into lab groups on Mondays and Wednesdays between 6 p.m. and 8:45 p.m. Students intending to take this course will need to leave these days and times available. Actual meeting days may vary.

0101	Thomas Mauriello MW 6:00pm - 7:15pm Contact instructor or department for details.	Seats (Total: 45) MMH 1400
0201	Thomas Mauriello MW 7:30pm - 8:45pm Contact instructor or department for details.	Seats (Total: 45) MMH 1400

CCJS330 **Contemporary Criminological Issues**

CCJS330 *(PermReq)* **Contemporary Criminological Issues; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: CCJS100 and CCJS105. Topics may include career criminals, prison overcrowding, prediction, ecological studies of crimes, family and delinquency, entrepreneurship in criminal justice and criminology, and similar criminological problems.

0201	Matthew Fleming M 4:00pm - 6:45pm	Seats (Total: 50) KEY 0103

CCJS331 **Contemporary Legal Policy Issues**

CCJS331 *(PermReq)* **Contemporary Legal Policy Issues; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: CCJS100 and CCJS230. In-depth examination of selected topics. Criminal responsibility. Socio-legal policy alternatives with regard to deviance. Law enforcement procedures for civil law and similar legal problems. Admissibility of evidence. Representation. Indigent's right to counsel.

0101	Alvin Zumbrun TuTh 11:00am - 12:15pm	Seats (Total: 80) SYM 0200

CCJS332 **Major Transitions: From Undergraduate to Professional**

CCJS332 Major Transitions: From Undergraduate to Professional; (1 credit)
Grade Method: REG/P-F/AUD.
Sophomore standing. For CCJS majors only. This course is designed to assist criminology and criminal justice students explore career opportunities. Topics will include: graduate school, law school, career opportunities in federal, state, local, and public agencies, resume writing, and internships.

0101	Nicole Jackson Th 12:30pm - 1:45pm	Seats (Total: 75) SQH 1120

CCJS340 **Concepts of Law Enforcement Administration**

CCJS340 *(PermReq)* **Concepts of Law Enforcement Administration; (3 credits)**
Grade Method: REG/P-F/AUD.
Prerequisite: CCJS100 or equivalent. An introduction to concepts of organization and management as these relate to law enforcement. Principles of structure, process, policy and procedure, communication and authority, division of work and organizational controls. Human element in the organization. Informal interaction and bureaucracy.

0101	Laure Brooks MWF 10:00am - 10:50am	Seats (Total: 200) LEF 2205
0201	John Foust Tu 6:00pm - 8:45pm	Seats (Total: 150) LEF 2205

CCJS350 **Juvenile Delinquency**

CCJS350 *(PermReq)* **Juvenile Delinquency; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: CCJS105. Juvenile delinquency in relation to the general problem of crime; analysis of factors underlying juvenile delinquency; treatment and prevention; organization and social responsibility of law enforcement.

0101	Jay Horner TuTh 9:30am - 10:45am	Seats (Total: 150) LEF 2205
0201	Christine Roberts White MWF 10:00am - 10:50am	Seats (Total: 154) BPS 1250

CCJS352 **Drugs and Crime**

CCJS352 *(PermReq)* **Drugs and Crime; (3 credits)** Grade Method: REG/P-F/AUD. *Prerequisite: CCJS100.* An analysis of the role of criminal justice in the control of drug use and abuse.

0101	Arnett Gaston TuTh 2:00pm - 3:15pm	Seats (Total: 180) LEF 2205
0102	Christine Roberts White MWF 9:00am - 9:50am	Seats (Total: 180) LEF 2205
SG91	Mark Janney MW 9:30am - 10:45am *This section meets at the Shady Grove campus.*	Seats (Total: 40) SG3 3220

CCJS359 **Field Training in Criminology and Corrections**

CCJS359 *(PermReq)* **Field Training in Criminology and Corrections; (1-6 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisites: (CCJS 105 or CRIM 220) and (CCJS 350 or CRIM 450), majors only, and permission of department.

Contact department for information to register for this course.

CCJS370 **Race, Crime and Criminal Justice**

CCJS370 *(PermReq)* **Race, Crime and Criminal Justice; (3 credits)** Grade Method: REG/P-F/AUD. CORE Diversity (D) Course.
Prerequisite: CCJS100 or equivalent. Role and treatment of racial/ethnic minorities in the criminal justice system. Course will provide students with historical and theoretical framework for understanding this dynamic.

0101	Christine Roberts White W 2:00pm - 4:45pm	Seats (Total: 50) TYD 0102
SG91	Christine Roberts White TuTh 12:30pm - 1:45pm *This section meets at the Shady Grove campus.*	Seats (Total: 40) SG3 3240
SG92	Christine Roberts White TuTh 2:00pm - 3:15pm *Registration is restricted to BMGT-Shady Grove majors. Permission for this course is granted by BMGT Shady Grove advisors.*	Seats (Total: 40) SGII 1052

CCJS386 **Experiential Learning**

CCJS386 *(PermReq)* **Experiential Learning; (3 credits)** Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: permission of department. Junior standing.

Contact department for information to register for this course.

CCJS389H **Independent Research in Criminology and Criminal Justice**

CCJS389H *(PermReq)* **Independent Research in Criminology and Criminal Justice; (3 credits)** Grade Method: REG/P-F/AUD.

0101	Jean McGloin Contact instructor or department for details.	Seats (Total: 10)

CCJS398 **Law Enforcement Field Training**

CCJS398 *(PermReq)* **Law Enforcement Field Training; (1-6 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: junior standing. Majors only.

Contact department for information to register for this course.

CCJS399 **Independent Study in Criminology and Criminal Justice**

CCJS399 *(PermReq)* **Independent Study in Criminology and Criminal Justice; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: written consent of faculty under whose direction the study is to be performed, and at least twelve hours of CCJS credits.

Contact department for information to register for this course.

CCJS399C **Independent Study in Criminology and Criminal Justice; Contemporary Case Law**

CCJS399C *(PermReq)* **Independent Study in Criminology and Criminal Justice: Contemporary Case Law; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisites: CCJS100 or CCJS105.

0101	Alvin Zumbrun TuTh 2:00pm - 3:15pm	Seats (Total: 41) ARM 0110

CCJS400 **Criminal Courts**

CCJS400 *(PermReq)* **Criminal Courts; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisites: CCJS100 or permission of department; and CCJS300. Criminal courts in the United States at all levels; judges, prosecutors, defenders, clerks, court administrators, and the nature of their jobs; problems facing courts and prosecutors today and problems of administration; reforms.

0101	Alvin Zumbrun TuTh 12:30pm - 1:45pm	Seats (Total: 65) SYM 0200

CCJS444 **Advanced Law Enforcement Administration**

CCJS444 *(PermReq)* **Advanced Law Enforcement Administration; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisites: CCJS100 and CCJS340. The structuring of manpower, material, and systems to accomplish the major goals of social control. Personnel and systems management. Political controls and limitations on authority and jurisdiction.

0101	Stan Malm W 5:00pm - 7:45pm	Seats (Total: 100) LEF 2205

CCJS451 **Crime and Delinquency Prevention**

CCJS451 *(PermReq)* **Crime and Delinquency Prevention; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisites: CCJS105 or CCJS350 or permission of department; and CCJS300. Methods and programs in prevention of crime and delinquency.

0101	Cortney Fisher TuTh 12:30pm - 1:45pm	Seats (Total: 100) CHE 2110

CCJS452 **Treatment of Criminals and Delinquents**

CCJS452 *(PermReq)* **Treatment of Criminals and Delinquents; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisites: CCJS105 or CCJS350 or permission of department; and CCJS300. Processes and methods used to modify criminal and delinquent behavior.

0101	Arnett Gaston TuTh 11:00am - 12:15pm	Seats (Total: 100) TYD 0117
0201	Shawn Flower Tu 4:00pm - 6:45pm	Seats (Total: 60) TYD 2109
SG91	Robin Shusko MW 11:00am - 12:15pm *This section meets at the Shady Grove campus.*	Seats (Total: 50) SG3 3225

CCJS453 **White Collar and Organized Crime**

CCJS453 *(PermReq)* **White Collar and Organized Crime; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisites: CCJS105 or CCJS350; and CCJS300. Definition, detection, prosecution, sentencing and impact of white collar and organized crime. Special consideration given to the role of federal law and enforcement practices.

0101	Thomas Bonnar M 6:00pm - 8:45pm	Seats (Total: 100) LEF 2205

CCJS454 **Contemporary Criminological Theory**

CCJS454 *(PermReq)* **Contemporary Criminological Theory; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisites: CCJS105; and CCJS300; and CCJS350. Brief historical overview of criminological theory up to the 50's. Deviance. Labeling. Typologies. Most recent research in criminalistic subcultures and middle class delinquency. Recent proposals for "decriminalization".

0101	David Kirk	Seats (Total: 80)
	TuTh 2:00pm - 3:15pm	HJP 2242

CCJS461 **Psychology of Criminal Behavior**
Contact department for information to register for this course.

CCJS498C **Selected Topics in Criminology and Criminal Justice; Police and Campus Interaction**

CCJS498C *(PermReq)* **Selected Topics in Criminology and Criminal Justice: Police and Campus Interaction; (3 credits)** Grade Method: REG/P-F/AUD.

0101	Charles Wellford	Seats (Total: 32)
	MW 3:30pm - 4:45pm	KEY 0125

CCJS498E **Selected Topics in Criminology and Criminal Justice; Forensic Psychology**

CCJS498E *(PermReq)* **Selected Topics in Criminology and Criminal Justice: Forensic Psychology; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisites: CCJS 105, CCJS 300, and PSYC 100.

0101	Doris Mackenzie	Seats (Total: 75)
	Tu 4:00pm - 6:45pm	TYD 2106

CCJS498G **Selected Topics in Criminology and Criminal Justice; Contemporary Criminal Procedure and Gangs**

CCJS498G Selected Topics in Criminology and Criminal Justice: Contemporary Criminal Procedure and Gangs; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: CCJS100 and CCJS105.

SG91	Shawn Eastman	Seats (Total: 40)
	TuTh 11:00am - 12:15pm	SG3 3240
	This section meets at the Shady Grove campus.	

CCJS498X **Selected Topics in Criminology and Criminal Justice; Multidisciplinary Perspectives in Forensics**

CCJS498X Selected Topics in Criminology and Criminal Justice: Multidisciplinary Perspectives in Forensics; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: CCJS100 and CCJS105.

SG91	Stephanie Gerstenblith	Seats (Total: 20)
	W 2:00pm - 4:45pm	SG3 3241
	This section meets at the Shady Grove campus.	

CCJS498Y **Selected Topics in Criminology and Criminal Justice; Domestic Violence**

CCJS498Y Selected Topics in Criminology and Criminal Justice: Domestic Violence; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: CCJS100 and CCJS105.

SG91	Nicole Romeiser	Seats (Total: 40)
	MW 12:30pm - 1:45pm	SG3 3206
	This section meets at the Shady Grove campus.	

CCJS498Z **Selected Topics in Criminology and Criminal Justice; Security Administration**

CCJS498Z *(PermReq)* **Selected Topics in Criminology and Criminal Justice: Security Administration; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisites CCJS100 and CCJS340. Formerly CCJS498S. Students cannot receive credit for both CCJS498S and CCJS498Z.

0101	Barry Smith	Seats (Total: 50)
	Th 6:00pm - 8:45pm	LEF 2205

CCJS601 **Policing**

CCJS601 Policing; (3 credits) Grade Method: REG.
An introduction to research, theory, and applications of the causes and consequences of police behavior. Community policing, problem-solving methods, police discretion, police misconduct, police crime prevention strategies, and restorative justice.

0101	Jean McGloin	Seats (Total: 20)
	Tu 4:00pm - 6:45pm	LEF 1222

CCJS602 **Courts and Sentencing**

CCJS602 Courts and Sentencing; (3 credits) Grade Method: REG.
Research and theory on prosecution, plea-bargaining, sentencing principles and guidelines, and sentencing policies in practice. Mandatory minimum sentencing, "three strikes" laws, race, gender and class disparities, general and specific deterrent effects of sentencing, restitution and restorative justice, diversion and sentencing to treatment.

0101	Brian Johnson	Seats (Total: 20)
	W 4:00pm - 6:45pm	TYD 1118

CCJS604 **Policy Analysis Project**

CCJS604 *(PermReq)* **Policy Analysis Project; (3 credits)** Grade Method: REG.
Individual Instruction course: contact department or instructor to obtain section number.
An application of statistical and conceptual tools to criminal justice data in the student's area of concentration, resulting in a paper reporting the conceptualization, analytic methods and results. The topic of the independent study will be chosen through individual consultation with the instructor.

Contact department for information to register for this course.

CCJS610 **Research Methods in Criminal Justice and Criminology**

CCJS610 Research Methods in Criminal Justice and Criminology; (3 credits) Grade Method: REG/AUD.
Prerequisite: completion of research methods and statistics requirements for the M.A. Degree. Formerly CRIM610. Examination of special research problems and techniques.

0101	David Kirk	Seats (Total: 23)
	Th 4:00pm - 6:45pm	LEF 1201

CCJS611 **Statistical Tools for Criminal Justice**
Contact department for information to register for this course.

CCJS621 **General Linear Models in Criminal Justice Research**

CCJS621 General Linear Models in Criminal Justice Research; (3 credits) Grade Method: REG/AUD.
Prerequisite: CCJS620. Credit will be granted for only one of the following: CCJS498F or CCJS621. Formerly CCJS498F. An in-depth exploration of applied linear regression analysis. Covers characteristics of estimates, such as unbiasedness and efficiency. Encourages fluency with the theoretical issues involved in the basic linear regression using simple algebra, familiarity with the general model using matrix algebra, and fluency with the computer application of multivariate regressions and the probit/logit models.

0101	Hanno Petras	Seats (Total: 25)
	M 4:00pm - 6:45pm	SQH 1107

CCJS651 **Seminar in Criminology**

CCJS651 Seminar in Criminology; (3 credits) Grade Method: REG/AUD.
Formerly CRIM651. Analysis of significant recent issues in Criminology.

0101	John Laub	Seats (Total: 45)
	Tu 4:00pm - 6:45pm	TYD 2111

CCJS653 **Seminar in Corrections**

CCJS653 Seminar in Corrections; (3 credits) Grade Method: REG/AUD.
Prerequisite: CCJS 651 or equivalent. Formerly CRIM653. Development, operation and future of correctional systems.

0101	Doris Mackenzie	Seats (Total: 20)
	M 4:00pm - 6:45pm	KEY 0117

CCJS654 **History of Criminological Thought**

CCJS654 History of Criminological Thought; (3 credits) Grade Method: REG/AUD.
Prerequisite: CCJS 454 or equivalent. Formerly CRIM654. A study of the development of criminological thought from antiquity to the present.

0101	Raymond Paternoster Tu 4:00pm - 6:45pm	Seats (Total: 15) KEY 0117

CCJS678A **Advanced Topics in Criminology and Criminal Justice; Judicial Sociology**
Contact department for information to register for this course.

CCJS678C **Advanced Topics in Criminology and Criminal Justice; Litigation Law**
Contact department for information to register for this course.

CCJS678D **Advanced Topics in Criminology and Criminal Justice; International Law and Process**
Contact department for information to register for this course.

CCJS699 **Special Criminological Problems**

CCJS699 Special Criminological Problems; (1-3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CCJS699P **Special Criminological Problems; Testing Criminological Theory**

CCJS699P Special Criminological Problems: Testing Criminological Theory; (3 credits) Grade Method: REG/AUD.

0101	Alexis Piquero Th 4:00pm - 6:45pm	Seats (Total: 20) KEY 0123

CCJS720 **Criminal Justice System Planning: Policy Analysis for Crime Control**
Contact department for information to register for this course.

CCJS799 **Master's Thesis Research**

CCJS799 *(PermReq)* **Master's Thesis Research; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CCJS898 **Pre-Candidacy Research**

CCJS898 *(PermReq)* **Pre-Candidacy Research; (1-8 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CCJS899 **Doctoral Dissertation Research**

CCJS899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CHEM Chemistry Spring 2009

CHEM105 **Fundamental of Organic and Biochemistry**

CHEM105 Fundamental of Organic and Biochemistry; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: CHEM103 or CHEM131/CHEM132. Credit will be granted for only one of the following: CHEM104, CHEM231, CHEM233, or CHEM237. This course is intended for students in a curricula requiring only one semester of organic chemistry. CHEM232 may be taken concurrently if one semester of organic laboratory is required. The chemistry of organic compounds: aliphatics, aromatics, halides, alcohols, amines, amides, acids, esters, carbohydrates and natural products. This course replaces CHEM104.

0101	Irving Kipnis	Seats (Total: 35)	
	MWF 8:00am - 8:50am	CHM 1228	
	W 1:00pm - 1:50pm	CHM 1228	Discussion

CHEM131 **Chemistry I - Fundamentals of General Chemistry**

CHEM131 Chemistry I - Fundamentals of General Chemistry; (3 credits) Grade Method: REG/P-F/AUD.
CORE Physical Science Lab (PL) course only when taken concurrently wit CHEM 132. Prerequisite: Math eligibility of MATH111 or higher. Corequisite: CHEM132. Credit will be granted for only one of the following: CHEM103, CHEM131, CHEM135, CHEM143 or CHEM146. Formerly CHEM103. An overview of the Periodic Table, inorganic substances, ionic and covalent bonding, bulk properties of materials, chemical equilibrium, and quantitative chemistry. CHEM131 is the first course in a four-semester sequence for students majoring in the sciences, other than Chemistry and Biochemistry majors. CORE Physical Science Lab (PL) course only when taken concurrently with CHEM 132.

1115	John Ondov TuTh 8:00am - 9:15am M 12:00pm - 12:50pm	Seats (Total: 35) CHM 1407 CHM 2201	Discussion
1116	John Ondov TuTh 8:00am - 9:15am M 1:00pm - 1:50pm	Seats (Total: 35) CHM 1407 CHM 2201	Discussion
1118	John Ondov TuTh 8:00am - 9:15am M 3:00pm - 3:50pm	Seats (Total: 35) CHM 1407 CHM 2201	Discussion
1135	John Ondov TuTh 8:00am - 9:15am W 12:00pm - 12:50pm	Seats (Total: 35) CHM 1407 CHM 2201	Discussion
1136	John Ondov TuTh 8:00am - 9:15am W 1:00pm - 1:50pm	Seats (Total: 35) CHM 1407 CHM 2201	Discussion
1138	John Ondov TuTh 8:00am - 9:15am W 3:00pm - 3:50pm	Seats (Total: 35) CHM 1407 CHM 2201	Discussion
1214	John Tossell TuTh 11:00am - 12:15pm M 11:00am - 11:50am	Seats (Total: 35) CHM 1407 CHM 0128	Discussion

1215	John Tossell TuTh 11:00am - 12:15pm M 12:00pm - 12:50pm	Seats (Total: 35) CHM 1407 CHM 0128	Discussion
1218	John Tossell TuTh 11:00am - 12:15pm M 3:00pm - 3:50pm	Seats (Total: 35) CHM 1407 CHM 0128	Discussion
1234	John Tossell TuTh 11:00am - 12:15pm W 11:00am - 11:50am	Seats (Total: 35) CHM 1407 CHM 0128	Discussion
1235	John Tossell TuTh 11:00am - 12:15pm W 12:00pm - 12:50pm	Seats (Total: 35) CHM 1407 CHM 0128	Discussion
1238	John Tossell TuTh 11:00am - 12:15pm W 3:00pm - 3:50pm	Seats (Total: 35) CHM 1407 CHM 0128	Discussion
1314	Daniel Steffek TuTh 3:30pm - 4:45pm M 11:00am - 11:50am	Seats (Total: 35) CHM 1407 CHM 2201	Discussion
1315	Daniel Steffek TuTh 3:30pm - 4:45pm M 12:00pm - 12:50pm	Seats (Total: 35) CHM 1407 CHM 0127	Discussion
1317	Daniel Steffek TuTh 3:30pm - 4:45pm M 2:00pm - 2:50pm	Seats (Total: 35) CHM 1407 CHM 0127	Discussion
1334	Daniel Steffek TuTh 3:30pm - 4:45pm W 11:00am - 11:50am	Seats (Total: 35) CHM 1407 CHM 0122	Discussion
1335	Daniel Steffek TuTh 3:30pm - 4:45pm W 12:00pm - 12:50pm	Seats (Total: 35) CHM 1407 CHM 0122	Discussion

1337	Daniel Steffek TuTh 3:30pm - 4:45pm W 2:00pm - 2:50pm	Seats (Total: 35) CHM 1407 CHM 0122	 Discussion
SES1	Eddie Chang M 6:30pm - 9:30pm W 6:30pm - 7:20pm *This section is restricted to students who enroll through the Science i Evening program. Please visit http://professionalstudies.umd.edu/sie/ for complete program details including program eligibility information, tuition and fee information and registration instructions. This section may not be added on Testudo.*	Seats (Total: 24) CHM 1402 CHM 0124	 Discussion

CHEM132 **General Chemistry I Laboratory**

CHEM132 General Chemistry I Laboratory; (1 credit) Grade Method: REG/P-F. *CORE Physical Science Lab (PL) course only when taken concurrently with CHEM 131. Corequisite: CHEM131. Credit will be granted for only one of the following: CHEM103, CHEM132, CHEM136, CHEM143 or CHEM147. Formerly CHEM103.* Introduction to the quanitification of chemical substances, including the concept of the mole and chemical stoichiometry. Additional work involves the synthesis of ionic substances and their qualitative characterization. Must be taken concurrently with CHEM131. CORE Physical Science Lab (PL) course only when taken concurrently with CHEM 131. Laboratory sessions will begin after the first lecture. Students must pay a $40.00 Laboratory Materials fee.

1121	Maryann Jones M 12:00pm - 2:50pm	Seats (Total: 24) CHM 1105	 Lab
1122	Maryann Jones M 12:00pm - 2:50pm	Seats (Total: 24) CHM 1111	 Lab
1131	Maryann Jones M 3:00pm - 5:50pm	Seats (Total: 24) CHM 1128	 Lab
1132	Maryann Jones M 3:00pm - 5:50pm	Seats (Total: 24) CHM 1111	 Lab
1133	Maryann Jones M 3:00pm - 5:50pm	Seats (Total: 24) CHM 1105	 Lab

1211	Maryann Jones Tu 8:00am - 10:50am	Seats (Total: 24) CHM 1105	Lab
1231	Maryann Jones Tu 3:30pm - 6:20pm	Seats (Total: 24) CHM 1360	Lab
1232	Maryann Jones Tu 3:30pm - 6:20pm	Seats (Total: 24) CHM 1111	Lab
1233	Maryann Jones Tu 3:30pm - 6:20pm	Seats (Total: 24) CHM 1105	Lab
1321	Maryann Jones W 12:00pm - 2:50pm	Seats (Total: 24) CHM 1105	Lab
1331	Maryann Jones W 3:00pm - 5:50pm	Seats (Total: 24) CHM 1105	Lab
1333	Maryann Jones W 3:00pm - 5:50pm	Seats (Total: 24) CHM 1111	Lab
1342	Maryann Jones W 6:00pm - 8:50pm	Seats (Total: 24) CHM 1105	Lab
1412	Maryann Jones Th 8:00am - 10:50am	Seats (Total: 24) CHM 1111	Lab
1431	Maryann Jones Th 3:30pm - 6:20pm	Seats (Total: 24) CHM 1105	Lab
1432	Maryann Jones Th 3:30pm - 6:20pm	Seats (Total: 24) CHM 1111	Lab
1521	Maryann Jones F 12:00pm - 2:50pm	Seats (Total: 24) CHM 1105	Lab
1522	Maryann Jones F 12:00pm - 2:50pm	Seats (Total: 24) CHM 1111	Lab
1531	Maryann Jones F 3:00pm - 5:50pm	Seats (Total: 24) CHM 1112	Lab

1532	Maryann Jones F 3:00pm - 5:50pm	Seats (Total: 24) CHM 1111	Lab
1533	Maryann Jones F 3:00pm - 5:50pm	Seats (Total: 24) CHM 1105	Lab
SES1	Maryann Jones W 7:30pm - 10:30pm	Seats (Total: 24) CHM 1111	Lab
	This section is restricted to students who enroll through the Science i Evening program. Please visit http://professionalstudies.umd.edu/sie/ for complete program details including program eligibility information, tuition and fee information and registration instructions. This section may not be added on Testudo.		

CHEM135 **General Chemistry for Engineers**

CHEM135 General Chemistry for Engineers; (3 credits) Grade Method: REG. *Pre- or corequisite: MATH115. Not open to students who have completed CHEM103, CHEM113, CHEM143, or CHEM153. Credit will be granted for only one of the following: CHEM103, CHEM113, CHEM131, CHEM135, CHEM143, OR CHEM153.* The nature and composition of matter, solutions, chemical reactions, equilibria, and electrochemistry, with applications to various fields of engineering.

3125	Devarajan Thirumalai MWF 2:00pm - 2:50pm Tu 12:30pm - 1:20pm	Seats (Total: 46) CHM 1407 CHM 0128	Discussion
3127	Devarajan Thirumalai MWF 2:00pm - 2:50pm Tu 2:00pm - 2:50pm	Seats (Total: 46) CHM 1407 CHM 0128	Discussion
3128	Devarajan Thirumalai MWF 2:00pm - 2:50pm Tu 3:30pm - 4:20pm	Seats (Total: 46) CHM 1407 CHM 0128	Discussion
3145	Devarajan Thirumalai MWF 2:00pm - 2:50pm Th 12:30pm - 1:20pm	Seats (Total: 46) CHM 1407 CHM 0128	Discussion
3147	Devarajan Thirumalai MWF 2:00pm - 2:50pm Th 2:00pm - 2:50pm	Seats (Total: 46) CHM 1407 CHM 0128	Discussion

3148	Devarajan Thirumalai MWF 2:00pm - 2:50pm Th 3:30pm - 4:20pm	Seats (Total: 46) CHM 1407 CHM 0128	 Discussion

CHEM136 **General Chemistry Laboratory for Engineers**

CHEM136 General Chemistry Laboratory for Engineers; (1 credit) Grade Method: REG.
Pre- or corequisite: CHEM135. For ENGR majors only. A laboratory course for engineering majors intending to take CHEM231 and CHEM232. Students must pay a $40.00 Laboratory Materials fee.

3131	Natalia White M 3:00pm - 5:50pm	Seats (Total: 24) CHM 1112	 Lab
3231	Natalia White Tu 3:30pm - 6:20pm	Seats (Total: 24) CHM 1112	 Lab
3431	Natalia White Th 3:30pm - 6:20pm	Seats (Total: 24) CHM 1112	 Lab

CHEM231 **Organic Chemistry I**

CHEM231 Organic Chemistry I; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: {CHEM131 and CHEM132} or {CHEM113 or CHEM153} or {CHEM135 and CHEM136} or {CHEM146 and CHEM147}. A grade of C or better in the prerequisite is required of Life Science majors and recommended for all students. Not open to students who have completed CHEM233 or CHEM237. Credit will be granted for only one of the following: CHEM104, CHEM231, CHEM233 or CHEM237. Formerly CHEM233. The chemistry of carbon: aliphatic compounds, aromatic compounds, stereochemistry, arenes, halides, alcohols, esters and spectroscopy.

5121	Frederick Khachik MWF 8:00am - 8:50am Tu 8:00am - 8:50am	Seats (Total: 37) CHM 1407 CHM 0115	 Discussion
5122	Frederick Khachik MWF 8:00am - 8:50am Tu 9:30am - 10:20am	Seats (Total: 37) CHM 1407 CHM 0115	 Discussion

5125	Frederick Khachik MWF 8:00am - 8:50am Tu 12:30pm - 1:20pm	Seats (Total: 37) CHM 1407 CHM 0115	 Discussion
5141	Frederick Khachik MWF 8:00am - 8:50am Th 8:00am - 8:50am	Seats (Total: 37) CHM 1407 CHM 0115	 Discussion
5142	Frederick Khachik MWF 8:00am - 8:50am Th 9:30am - 10:20am	Seats (Total: 37) CHM 1407 CHM 0115	 Discussion
5145	Frederick Khachik MWF 8:00am - 8:50am Th 12:30pm - 1:20pm	Seats (Total: 37) CHM 1407 CHM 0115	 Discussion
5221	Herman Ammon MWF 10:00am - 10:50am Tu 8:00am - 8:50am	Seats (Total: 32) CHM 1407 CHM 0119	 Discussion
5222	Herman Ammon MWF 10:00am - 10:50am Tu 9:30am - 10:20am	Seats (Total: 32) CHM 1407 CHM 0119	 Discussion
5225	Herman Ammon MWF 10:00am - 10:50am Tu 12:30pm - 1:20pm	Seats (Total: 32) CHM 1407 CHM 0119	 Discussion
5241	Herman Ammon MWF 10:00am - 10:50am Th 8:00am - 8:50am	Seats (Total: 32) CHM 1407 CHM 0119	 Discussion
5242	Herman Ammon MWF 10:00am - 10:50am Th 9:30am - 10:20am	Seats (Total: 32) CHM 1407 CHM 0119	 Discussion
5245	Herman Ammon MWF 10:00am - 10:50am Th 12:30pm - 1:20pm	Seats (Total: 32) CHM 1407 CHM 0119	 Discussion

5322	Bonnie Dixon MWF 11:00am - 11:50am Tu 9:30am - 10:20am	Seats (Total: 36) CHM 1407 CHM 0127	Discussion
5325	Bonnie Dixon MWF 11:00am - 11:50am Tu 12:30pm - 1:20pm	Seats (Total: 36) CHM 1407 CHM 0127	Discussion
5328	Bonnie Dixon MWF 11:00am - 11:50am Tu 3:30pm - 4:20pm	Seats (Total: 36) CHM 1407 CHM 0127	Discussion
5342	Bonnie Dixon MWF 11:00am - 11:50am Th 9:30am - 10:20am	Seats (Total: 36) CHM 1407 CHM 0127	Discussion
5345	Bonnie Dixon MWF 11:00am - 11:50am Th 12:30pm - 1:20pm	Seats (Total: 36) CHM 1407 CHM 0127	Discussion
5348	Bonnie Dixon MWF 11:00am - 11:50am Th 3:30pm - 4:20pm	Seats (Total: 36) CHM 1407 CHM 0127	Discussion
5422	Lee Friedman MWF 1:00pm - 1:50pm Tu 9:30am - 10:20am	Seats (Total: 34) CHM 1407 CHM 1224	Discussion
5425	Lee Friedman MWF 1:00pm - 1:50pm Tu 12:30pm - 1:20pm	Seats (Total: 34) CHM 1407 ARM 0112	Discussion
5428	Lee Friedman MWF 1:00pm - 1:50pm Tu 3:30pm - 4:20pm	Seats (Total: 34) CHM 1407 CHM 1224	Discussion
5442	Lee Friedman MWF 1:00pm - 1:50pm Th 9:30am - 10:20am	Seats (Total: 34) CHM 1407 ARM 0110	Discussion

5445	Lee Friedman MWF 1:00pm - 1:50pm Th 12:30pm - 1:20pm	Seats (Total: 34) CHM 1407 CHE 2136	 Discussion
5448	Lee Friedman MWF 1:00pm - 1:50pm Th 3:30pm - 4:20pm	Seats (Total: 34) CHM 1407 CHM 1224	 Discussion
SES1	Irving Kipnis, An-Ni Chang M 6:30pm - 9:30pm W 6:30pm - 7:30pm *This section is restricted to students who enroll through the Science i Evening program. Please visit http://professionalstudies.umd.edu/sie/ for complete program details including program eligibility information, tuition and fee information and registration instructions. This section may not be added on Testudo.*	Seats (Total: 19) CHM 1224 CHM 0127	 Discussion
SES2	An-Ni Chang, Irving Kipnis M 6:30pm - 9:30pm W 6:30pm - 7:30pm *This section is restricted to students who enroll through the Science i Evening program. Please visit http://professionalstudies.umd.edu/sie/ for complete program details including program eligibility information, tuition and fee information and registration instructions. This section may not be added on Testudo.*	Seats (Total: 18) CHM 1224 PHY 1219	 Discussion

CHEM232 **Organic Chemistry Laboratory I**

CHEM232 Organic Chemistry Laboratory I; (1 credit) Grade Method: REG. *Prerequisite: {CHEM131 and CHEM132} or {CHEM113 or CHEM153} or {CHEM135 and CHEM136} or {CHEM146 and CHEM147}. A grade of C or better in the prerequisites is required for Life Science majors and recommended for all students. Corequisite: CHEM231. Not open to students who have completed CHEM104, CHEM233 or CHEM237. Credit will be granted for only one of the following: CHEM104, CHEM231, CHEM233 or CHEM237. Formerly CHEM233.* Provides experience in developing some basic laboratory techniques, recrystallizaton, distillation, extraction, chromatography. Students must pay a $40.00 Laboratory Materials fee.

5121	Lee Friedman M 12:00pm - 2:50pm	Seats (Total: 19) CHM 1360	 Lab

5122	Lee Friedman M 12:00pm - 2:50pm	Seats (Total: 19) CHM 1356	Lab
5131	Lee Friedman M 3:00pm - 5:50pm	Seats (Total: 19) CHM 1360	Lab
5132	Lee Friedman M 3:00pm - 5:50pm	Seats (Total: 19) CHM 1356	Lab
5141	Lee Friedman M 6:00pm - 8:50pm	Seats (Total: 19) CHM 1356	Lab
5142	Lee Friedman M 6:00pm - 8:50pm	Seats (Total: 19) CHM 1342	Lab
5143	Lee Friedman M 6:00pm - 8:50pm	Seats (Total: 19) CHM 1346	Lab
5221	Lee Friedman Tu 12:30pm - 3:20pm	Seats (Total: 19) CHM 1360	Lab
5222	Lee Friedman Tu 12:30pm - 3:20pm	Seats (Total: 19) CHM 1356	Lab
5223	Lee Friedman Tu 12:30pm - 3:20pm	Seats (Total: 19) CHM 1346	Lab
5224	Lee Friedman Tu 12:30pm - 3:20pm	Seats (Total: 19) CHM 1342	Lab
5231	Lee Friedman Tu 3:30pm - 6:20pm	Seats (Total: 19) CHM 1346	Lab
5232	Lee Friedman Tu 3:30pm - 6:20pm	Seats (Total: 19) CHM 1356	Lab
5233	Lee Friedman Tu 3:30pm - 6:20pm	Seats (Total: 19) CHM 1326	Lab
5241	Lee Friedman Tu 6:30pm - 9:20pm	Seats (Total: 3) CHM 1346	Lab

5242	Lee Friedman Tu 6:30pm - 9:20pm	Seats (Total: 19) CHM 1342	Lab
5243	Lee Friedman Tu 6:30pm - 9:20pm	Seats (Total: 19) CHM 1356	Lab
5311	Lee Friedman W 8:00am - 10:50am	Seats (Total: 19) CHM 1342	Lab
5321	Lee Friedman W 12:00pm - 2:50pm	Seats (Total: 6) CHM 1330	Lab
5322	Lee Friedman W 12:00pm - 2:50pm	Seats (Total: 19) CHM 1356	Lab
5323	Lee Friedman W 12:00pm - 2:50pm	Seats (Total: 19) CHM 1326	Lab
5331	Lee Friedman W 3:00pm - 5:50pm	Seats (Total: 19) CHM 1330	Lab
5332	Lee Friedman W 3:00pm - 5:50pm	Seats (Total: 19) CHM 1356	Lab
5333	Lee Friedman W 3:00pm - 5:50pm	Seats (Total: 19) CHM 1326	Lab
5334	Lee Friedman W 3:00pm - 5:50pm	Seats (Total: 19) CHM 1342	Lab
5341	Lee Friedman W 6:00pm - 8:50pm	Seats (Total: 19) CHM 1330	Lab
5411	Lee Friedman Th 8:00am - 10:50am	Seats (Total: 19) CHM 1326	Lab
5421	Lee Friedman Th 12:30pm - 3:20pm	Seats (Total: 19) CHM 1330	Lab
5422	Lee Friedman Th 12:30pm - 3:20pm	Seats (Total: 19) CHM 1356	Lab

5423	Lee Friedman Th 12:30pm - 3:20pm	Seats (Total: 19) CHM 1326	Lab
5424	Lee Friedman Th 12:30pm - 3:20pm	Seats (Total: 19) CHM 1342	Lab
5431	Lee Friedman Th 3:30pm - 6:20pm	Seats (Total: 19) CHM 1330	Lab
5432	Lee Friedman Th 3:30pm - 6:20pm	Seats (Total: 19) CHM 1342	Lab
5433	Lee Friedman Th 3:30pm - 6:20pm	Seats (Total: 19) CHM 1326	Lab
5521	Lee Friedman F 12:00pm - 2:50pm	Seats (Total: 19) CHM 1330	Lab
5531	Lee Friedman F 3:00pm - 5:50pm	Seats (Total: 19) CHM 1342	Lab
SES1	Lee Friedman W 7:30pm - 10:20pm *This section is restricted to students who enroll through the Science i Evening program. Please visit http://professionalstudies.umd.edu/sie/ for complete program details including program eligibility information, tuition and fee information and registration instructions. This section may not be added on Testudo.*	Seats (Total: 19) CHM 1326	Lab
SES2	Lee Friedman W 7:30pm - 10:20pm *This section is restricted to students who enroll through the Science i Evening program. Please visit http://professionalstudies.umd.edu/sie/ for complete program details including program eligibility information, tuition and fee information and registration instructions. This section may not be added on Testudo.*	Seats (Total: 19) CHM 1342	Lab

CHEM232S Organic Chemistry Laboratory I

CHEM232S Organic Chemistry Laboratory I; (1 credit) Grade Method: REG.
Prerequisite: {CHEM131 and CHEM132} or {CHEM113 or CHEM153} or {CHEM135 and CHEM136} or {CHEM146 and CHEM147}. A grade of C or better in the prerequisites is required for Life Science majors and recommended for all students. Corequisite: CHEM231. Not open to students who have completed CHEM104, CHEM233 or CHEM237. Credit will be granted for only one of the following: CHEM104, CHEM231, CHEM233 or CHEM237. Formerly CHEM233.

5133	Lee Friedman M 3:00pm - 5:50pm	Seats (Total: 19) CHM 1342	 Lab
5241	Lee Friedman Tu 6:30pm - 9:20pm	Seats (Total: 16) CHM 1346	 Lab
5321	Lee Friedman W 12:00pm - 2:50pm	Seats (Total: 13) CHM 1330	 Lab

CHEM237 **Principles of Organic Chemistry I**

CHEM237 Principles of Organic Chemistry I; (4 credits) Grade Method: REG/P-F/AUD.
Prerequisite: A grade of C or better in {CHEM131 and CHEM132} or {CHEM146 and CHEM147} or CHEM113 or CHEM133 or CHEM153 or permission of department is required for Life Science majors. For CHEM, BCHM, and ENCH majors only. Credit will be granted for only one of the following: CHEM233 or CHEM237. The chemistry of carbons: aliphatic compounds, aromatic compounds, stereochemistry, arenes, halides, alcohols, esters, and spectroscopy. Students must pay a $40.00 Laboratory Materials fee.

5411	Jeffery Davis MWF 9:00am - 9:50am Th 8:00am - 10:50am Tu 2:00pm - 2:50pm	Seats (Total: 19) CHM 1224 CHM 1308 CHM 0124	 Lab Discussion
5421	Jeffery Davis MWF 9:00am - 9:50am Th 12:30pm - 3:20pm Tu 12:30pm - 1:20pm	Seats (Total: 19) CHM 1224 CHM 1308 CHM 0124	 Lab Discussion

CHEM241 **Organic Chemistry II**

CHEM241 Organic Chemistry II; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: {CHEM231 and CHEM232} or CHEM233 or CHEM237. A grade of C or better in the prerequisite is required for Life Science majors and recommended for all students. Not open to students who have completed CHEM243 or CHEM247. Credit will be granted for only one of the following: CHEM241, CHEM243 or CHEM247. Formerly CHEM243.* A continuation of CHEM231 with emphasis on molecular structure; substitution reactions; carbonium ions; aromaticity; synthetic processes; macromolecules.

6122	Philip DeShong MWF 9:00am - 9:50am Tu 9:30am - 10:20am	Seats (Total: 32) TYD 0130 CHM 0122	Discussion
6127	Philip DeShong MWF 9:00am - 9:50am Tu 2:00pm - 2:50pm	Seats (Total: 31) TYD 0130 CHM 0122	Discussion
6128	Philip DeShong MWF 9:00am - 9:50am Tu 3:30pm - 4:20pm	Seats (Total: 30) TYD 0130 CHM 0122	Discussion
6142	Philip DeShong MWF 9:00am - 9:50am Th 9:30am - 10:20am	Seats (Total: 31) TYD 0130 CHM 0122	Discussion
6147	Philip DeShong MWF 9:00am - 9:50am Th 2:00pm - 2:50pm	Seats (Total: 30) TYD 0130 CHM 0122	Discussion
6148	Philip DeShong MWF 9:00am - 9:50am Th 3:30pm - 4:20pm	Seats (Total: 30) TYD 0130 CHM 0122	Discussion
6222	Lyle Isaacs MWF 12:00pm - 12:50pm Tu 9:30am - 10:20am	Seats (Total: 30) TYD 0130 CHM 0128	Discussion
6225	Lyle Isaacs MWF 12:00pm - 12:50pm Tu 12:30pm - 1:20pm	Seats (Total: 30) TYD 0130 CHM 2201	Discussion

6227	Lyle Isaacs MWF 12:00pm - 12:50pm Tu 2:00pm - 2:50pm	Seats (Total: 30) TYD 0130 CHM 2201	Discussion
6242	Lyle Isaacs MWF 12:00pm - 12:50pm Th 9:30am - 10:20am	Seats (Total: 30) TYD 0130 CHM 0128	Discussion
6245	Lyle Isaacs MWF 12:00pm - 12:50pm Th 12:30pm - 1:20pm	Seats (Total: 30) TYD 0130 CHM 2201	Discussion
6247	Lyle Isaacs MWF 12:00pm - 12:50pm Th 2:00pm - 2:50pm	Seats (Total: 30) TYD 0130 CHM 2201	Discussion
6321	Bonnie Dixon MWF 3:00pm - 3:50pm Tu 8:00am - 8:50am	Seats (Total: 30) CHM 1407 CHM 0124	Discussion
6322	Bonnie Dixon MWF 3:00pm - 3:50pm Tu 9:30am - 10:20am	Seats (Total: 30) CHM 1407 CHM 0124	Discussion
6324	Bonnie Dixon MWF 3:00pm - 3:50pm Tu 11:00am - 11:50am	Seats (Total: 30) CHM 1407 CHM 0119	Discussion
6341	Bonnie Dixon MWF 3:00pm - 3:50pm Th 8:00am - 8:50am	Seats (Total: 30) CHM 1407 CHM 0124	Discussion
6342	Bonnie Dixon MWF 3:00pm - 3:50pm Th 9:30am - 10:20am	Seats (Total: 30) CHM 1407 CHM 0124	Discussion
6345	Bonnie Dixon MWF 3:00pm - 3:50pm Th 12:30pm - 1:20pm	Seats (Total: 30) CHM 1407 CHM 0122	Discussion

SES1	Howard Fribush M 6:30pm - 9:30pm W 6:30pm - 7:30pm	Seats (Total: 22) PLS 1130 PLS 1184	 Discussion
	This section is restricted to students who enroll through the Science i Evening program. Please visit http://professionalstudies.umd.edu/sie/ for complete program details including program eligibility information, tuition and fee information and registration instructions. This section may not be added on Testudo.		

CHEM242 **Organic Chemistry Laboratory II**

CHEM242 Organic Chemistry Laboratory II; (1 credit) Grade Method: REG. *Prerequisite: {CHEM231 and CHEM232} or CHEM233 or CHEM237. A grade of C or better in the prerequisite is required for Life Science majors or recommended for all students. Corequisite: CHEM241. Not open to students who have completed CHEM243 or CHEM247. Formerly CHEM243.* Synthetic organic chemistry through functional group manipulation, introduction to instrumentation essential to analysis and structure elucidation. Students must pay a $40.00 Laboratory Materials fee.

6121	Daniel Steffek M 12:00pm - 2:50pm	Seats (Total: 18) CHM 1326	 Lab
6131	Daniel Steffek M 3:00pm - 5:50pm	Seats (Total: 18) CHM 1308	 Lab
6132	Daniel Steffek M 3:00pm - 5:50pm	Seats (Total: 18) CHM 1330	 Lab
6141	Daniel Steffek M 6:00pm - 8:50pm	Seats (Total: 18) CHM 1326	 Lab
6211	Daniel Steffek Tu 8:00am - 10:50am	Seats (Total: 18) CHM 1326	 Lab
6221	Daniel Steffek Tu 12:30pm - 3:20pm	Seats (Total: 18) CHM 1308	 Lab
6222	Daniel Steffek Tu 12:30pm - 3:20pm	Seats (Total: 18) CHM 1330	 Lab

6231	Daniel Steffek Tu 3:30pm - 6:20pm	Seats (Total: 18) CHM 1308	Lab
6232	Daniel Steffek Tu 3:30pm - 6:20pm	Seats (Total: 18) CHM 1330	Lab
6241	Daniel Steffek Tu 6:30pm - 9:20pm	Seats (Total: 18) CHM 1330	Lab
6242	Daniel Steffek Tu 6:30pm - 9:20pm	Seats (Total: 18) CHM 1308	Lab
6311	Daniel Steffek W 8:00am - 10:50am	Seats (Total: 18) CHM 1308	Lab
6321	Daniel Steffek W 12:00pm - 2:50pm	Seats (Total: 18) CHM 1360	Lab
6331	Daniel Steffek W 3:00pm - 5:50pm	Seats (Total: 18) CHM 1360	Lab
6332	Daniel Steffek W 3:00pm - 5:50pm	Seats (Total: 18) CHM 1346	Lab
6333	Daniel Steffek W 3:00pm - 5:50pm	Seats (Total: 18) CHM 1308	Lab
6341	Daniel Steffek W 6:00pm - 8:50pm	Seats (Total: 18) CHM 1360	Lab
6411	Daniel Steffek Th 8:00am - 10:50am	Seats (Total: 18) CHM 1360	Lab
6422	Daniel Steffek Th 12:30pm - 3:20pm	Seats (Total: 18) CHM 1360	Lab
6423	Daniel Steffek Th 12:30pm - 3:20pm	Seats (Total: 18) CHM 1346	Lab
6431	Daniel Steffek Th 3:30pm - 6:20pm	Seats (Total: 18) CHM 1360	Lab

6432	Daniel Steffek Th 3:30pm - 6:20pm	Seats (Total: 18) CHM 1308	Lab
6433	Daniel Steffek Th 3:30pm - 6:20pm	Seats (Total: 18) CHM 1346	Lab
6521	Daniel Steffek F 12:00pm - 2:50pm	Seats (Total: 18) CHM 1346	Lab
6531	Daniel Steffek F 3:00pm - 5:50pm	Seats (Total: 18) CHM 1346	Lab
SES1	Daniel Steffek W 7:30pm - 10:20pm	Seats (Total: 18) CHM 1346	Lab
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CHEM271 **General Chemistry and Energetics**

CHEM271 General Chemistry and Energetics; (2 credits) Grade Method: REG/P-F/AUD.
Prerequisite: CHEM241 and CHEM242; or CHEM247. A grade of C or better in the prerequisites for Life Sciences majors and recommended for all students. Corequisite: CHEM272. Not open to students who have completed CHEM113. Credit will be granted for only one of the following: CHEM113, CHEM153, CHEM271 or CHEM276. Formerly CHEM113. An introduction to the physical aspects of chemistry; chemical kinetics, thermodynamics and electrochemistry in the context of current chemistry research.

2122	Jason Kahn MW 9:00am - 9:50am Tu 9:30am - 10:20am	Seats (Total: 36) CHM 1407 MTH 0201	Discussion
2124	Jason Kahn MW 9:00am - 9:50am Tu 11:00am - 11:50am	Seats (Total: 36) CHM 1407 CHM 0122	Discussion

2125	Jason Kahn MW 9:00am - 9:50am Tu 12:30pm - 1:20pm	Seats (Total: 36) CHM 1407 PLS 1111	Discussion
2142	Jason Kahn MW 9:00am - 9:50am Th 9:30am - 10:20am	Seats (Total: 36) CHM 1407 PHY 1219	Discussion
2144	Jason Kahn MW 9:00am - 9:50am Th 11:00am - 11:50am	Seats (Total: 36) CHM 1407 CHM 0122	Discussion
2145	Jason Kahn MW 9:00am - 9:50am Th 12:30pm - 1:20pm	Seats (Total: 36) CHM 1407 CHM 1228	Discussion
2224	Alice Mignerey MW 12:00pm - 12:50pm Tu 11:00am - 11:50am	Seats (Total: 36) CHM 1407 CHM 0127	Discussion
2225	Alice Mignerey MW 12:00pm - 12:50pm Tu 12:30pm - 1:20pm	Seats (Total: 36) CHM 1407 HJP 1229	Discussion
2227	Alice Mignerey MW 12:00pm - 12:50pm Tu 2:00pm - 2:50pm	Seats (Total: 36) CHM 1407 CHM 0127	Discussion
2244	Alice Mignerey MW 12:00pm - 12:50pm Th 11:00am - 11:50am	Seats (Total: 36) CHM 1407 CHM 0127	Discussion
2245	Alice Mignerey MW 12:00pm - 12:50pm Th 12:30pm - 1:20pm	Seats (Total: 36) CHM 1407 CHM 0124	Discussion
2247	Alice Mignerey MW 12:00pm - 12:50pm Th 2:00pm - 2:50pm	Seats (Total: 36) CHM 1407 CHM 0127	Discussion

SES1	Marlon Rhem M 6:00pm - 7:50pm W 6:30pm - 7:20pm	Seats (Total: 20) CHM 1228 CHM 1228	 Discussion
	This section is restricted to students who enroll through the Science i Evening program. Please visit http://professionalstudies.umd.edu/sie/ for complete program details including program eligibility information, tuition and fee information and registration instructions. This section may not be added on Testudo.		

CHEM272 **General Bioanalytical Chemistry Laboratory**

CHEM272 General Bioanalytical Chemistry Laboratory; (2 credits) Grade Method: REG/P-F.
Prerequisite: CHEM241 and CHEM242; or CHEM247. A grade of C or better in the prerequisites is required for Life Sciences majors and recommended for all students. Corequisite: CHEM271. Credit will be granted for only one of the following: CHEM227, CHEM272 or CHEM277. An introduction to analytical chemistry with an emphasis on bio-analytical instrumentation and techniques.

7123	Michelle Brooks F 9:00am - 9:50am M 12:00pm - 2:50pm	Seats (Total: 24) CHM 1407 CHM 1302	 Lab
7132	Michelle Brooks F 9:00am - 9:50am M 3:00pm - 5:50pm	Seats (Total: 24) CHM 1407 CHM 1302	 Lab
7331	Michelle Brooks F 9:00am - 9:50am W 3:00pm - 5:50pm	Seats (Total: 24) CHM 1407 CHM 1302	 Lab
7332	Michelle Brooks F 9:00am - 9:50am W 3:00pm - 5:50pm	Seats (Total: 24) CHM 1407 CHM 1128	 Lab
7421	Michelle Brooks F 9:00am - 9:50am Th 12:30pm - 3:20pm	Seats (Total: 24) CHM 1407 CHM 1302	 Lab
7422	Michelle Brooks F 9:00am - 9:50am Th 12:30pm - 3:20pm	Seats (Total: 24) CHM 1407 CHM 1105	 Lab

7531	Michelle Brooks F 9:00am - 9:50am F 3:00pm - 5:50pm	Seats (Total: 24) CHM 1407 CHM 1128	 Lab
8142	Michelle Brooks F 12:00pm - 12:50pm M 6:00pm - 8:50pm	Seats (Total: 24) CHM 1407 CHM 1302	 Lab
8211	Michelle Brooks F 12:00pm - 12:50pm Tu 8:00am - 10:50am	Seats (Total: 24) CHM 1407 CHM 1128	 Lab
8221	Michelle Brooks F 12:00pm - 12:50pm Tu 12:30pm - 3:20pm	Seats (Total: 24) CHM 1407 CHM 1128	 Lab
8222	Michelle Brooks F 12:00pm - 12:50pm Tu 12:30pm - 3:20pm	Seats (Total: 24) CHM 1407 CHM 1302	 Lab
8231	Michelle Brooks F 12:00pm - 12:50pm Tu 3:30pm - 6:20pm	Seats (Total: 24) CHM 1407 CHM 1302	 Lab
8242	Michelle Brooks F 12:00pm - 12:50pm Tu 6:30pm - 9:20pm	Seats (Total: 24) CHM 1407 CHM 1302	 Lab
8421	Michelle Brooks F 12:00pm - 12:50pm Th 12:30pm - 3:20pm	Seats (Total: 24) CHM 1407 CHM 1128	 Lab
8431	Michelle Brooks F 12:00pm - 12:50pm Th 3:30pm - 6:20pm	Seats (Total: 24) CHM 1407 CHM 1302	 Lab
8511	Michelle Brooks F 12:00pm - 12:50pm F 8:00am - 10:50am	Seats (Total: 24) CHM 1407 CHM 1128	 Lab

SES1	Marlon Rhem, Michelle Brooks M 8:00pm - 8:50pm W 7:30pm - 10:30pm	Seats (Total: 20) CHM 1228 CHM 1302	 Lab
	This section is restricted to students who enroll through the Science i Evening program. Please visit http://professionalstudies.umd.edu/sie/ for complete program details including program eligibility information, tuition and fee information and registration instructions. This section may not be added on Testudo.		

CHEM276 **General Chemistry and Energetics - Majors**

CHEM276 General Chemistry and Energetics - Majors; (2 credits) Grade Method: REG/P-F/AUD.
Prerequisite: CHEM241 and CHEM242; or CHEM247. A grade of C or better in the prerequisite is required. Corequisite: CHEM277. For CHEM and BCHM majors only. Credit will be granted for only one of the following: CHEM113, CHEM153, CHEM 271 or CHEM276. Formerly CHEM153. An introduction to the physical aspects of chemistry for Biochemistry and Chemistry majors. Chemical kinetics, thermodynamics and electrochemistry in the context of current chemistry research.

0225	William Walters WF 9:00am - 9:50am Tu 12:30pm - 1:20pm	Seats (Total: 40) CHM 1402 CHE 2136	 Discussion

CHEM277 **Fundamentals of Analytical and Bioanalytical Chemistry Laboratory**

CHEM277 Fundamentals of Analytical and Bioanalytical Chemistry Laboratory; (3 credits) Grade Method: REG.
Prerequisite: CHEM241 and CHEM242; or CHEM247. A grade of C or better in the prerequisite is required. Corequisite: CHEM276. For CHEM and BCHM majors only. Credit will be granted for only one of the following: CHEM153, CHEM227, CHEM272 or CHEM277. Formerly CHEM153. Quantitative analysis, inorganic analytical chemistry, and an introduction to bio-analytical instrumentation and techniques.

0223	Michelle Brooks M 9:00am - 9:50am TuTh 3:30pm - 6:20pm	Seats (Total: 24) CHM 1402 CHM 1128	 Lab
0232	Michelle Brooks M 9:00am - 9:50am WF 12:00pm - 2:50pm	Seats (Total: 24) CHM 1402 CHM 1128	 Lab

CHEM395 **Professional Issues in Chemistry and Biochemistry**

CHEM395 Professional Issues in Chemistry and Biochemistry; (1 credit) Grade Method: S-F.
Junior standing. For CHEM and BCHM majors only. Seminar on professional issues. Professional responsibilities, ethics, interview techniques, career opportunities, graduate/professional school, race and gender issues.

0101	Frederick Khachik, Michael Montague-Smith	Seats (Total: 112)
	Tu 11:00am - 11:50am	CHM 1402

CHEM398 **Special Projects**

CHEM398 *(PermReq)* **Special Projects; (2 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Limited to chemistry honors students. Consult with Dr. Ammon.

Contact department for information to register for this course.

CHEM399A **Introduction to Chemical Research**

CHEM399A *(PermReq)* **Introduction to Chemical Research; (1 credit)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CHEM399B **Introduction to Chemical Research**

CHEM399B *(PermReq)* **Introduction to Chemical Research; (2 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CHEM399C **Introduction to Chemical Research**

CHEM399C *(PermReq)* **Introduction to Chemical Research; (3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CHEM399Q **Introduction to Chemical Research; Introduction to Research**
Contact department for information to register for this course.

CHEM399X **Introduction to Chemical Research**

CHEM399X Introduction to Chemical Research; (3 credits) Grade Method: REG/P-F/AUD.

0101	Herman Ammon	Seats (Total: 5)	
	Contact instructor or department for details.		

CHEM401 **Inorganic Chemistry**

CHEM401 Inorganic Chemistry; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: {CHEM241 and CHEM242} or CHEM243 or CHEM247. An overview of basic concepts of the electronic structure of the elements, chemical bonding and reactivity, from simple diatomic molecules to coordination compounds. These are viewed from simple (Lewis) to the most comprehensive molecular orbital theory. Symmetry and group theory are used throughout the course.

0101	Lawrence Sita	Seats (Total: 57)	
	MWF 10:00am - 10:50am	CHM 0119	

CHEM425 **Instrumental Methods of Analysis**

CHEM425 Instrumental Methods of Analysis; (4 credits) Grade Method: REG/P-F/AUD.
Prerequisite: {CHEM153 or CHEM227} or {CHEM271 and CHEM272} or {CHEM276 and CHEM277}. Modern instrumentation in analytical chemistry. Electronics, spectroscopy, chromatography and electrochemistry. Students must pay a $40.00 Laboratory Materials fee.

0101	Sangbok Lee, Natalia White	Seats (Total: 10)	
	MW 11:00am - 11:50am	CHM 0119	
	MW 1:00pm - 4:00pm	CHM 3205	Lab
0102	Natalia White, Sangbok Lee	Seats (Total: 10)	
	MW 11:00am - 11:50am	CHM 0119	
	TuTh 12:30pm - 3:20pm	CHM 3205	Lab

0104	Sangbok Lee, Natalia White MW 11:00am - 11:50am TuTh 9:30am - 12:20pm	Seats (Total: 10) CHM 0119 CHM 3205	 Lab
0105	Natalia White, Sangbok Lee MW 11:00am - 11:50am MW 6:00pm - 9:00pm	Seats (Total: 10) CHM 0119 CHM 3205	 Lab
0109	Sangbok Lee, Natalia White MW 11:00am - 11:50am TuTh 6:00pm - 9:00pm	Seats (Total: 10) CHM 0119 CHM 3205	 Lab

CHEM434 **Air Pollution**

CHEM434 Air Pollution; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: CHEM131 or MATH241; or permission of department. Credit will be granted for only one of the following: AOSC434 or CHEM434. Production, transformation, transport and removal of air pollutants. The problems of photochemical smog, the greenhouse effect, stratospheric ozone, acid rain and visibility. Analytical techniques for gases and particles.

0101	Ross Salawitch, Timothy Canty TuTh 2:00pm - 3:15pm	Seats (Total: 32) CSS 2416

CHEM460 **Structure Determination Using Spectroscopic Methods**

CHEM460 Structure Determination Using Spectroscopic Methods; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: {CHEM243 or CHEM247} or {CHEM241 or CHEM242}. Formerly CHEM660. The use of infrared, ultraviolet-visible, proton and carbon-13 nuclear magnetic resonance and mass spectroscopy for structure determination in organic chemistry.

0101	Daniel Falvey MWF 10:00am - 10:50am	Seats (Total: 30) CHM 1228

CHEM481 **Physical Chemistry I**

CHEM481 Physical Chemistry I; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: A grade of C or better in CHEM113, CHEM135, or CHEM153, or (CHEM271 and CHEM272), or (CHEM276 and CHEM277); and MATH141 and PHYS142. The "C" or better in prerequisites is required for Life Science majors. A course primarily for chemists and chemical engineers.

0101	Christopher Jarzynski	Seats (Total: 60)	
	MWF 8:00am - 8:50am	CHM 0128	

CHEM482 **Physical Chemistry II**

CHEM482 Physical Chemistry II; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: A Grade of C or better in CHEM481. The "C" or better is required for Life Science majors. A course primarily for chemists and chemical engineers.

0101	Janice Reutt-Robey	Seats (Total: 72)	
	MWF 8:00am - 8:50am	CHM 1402	

CHEM483 **Physical Chemistry Laboratory I**

CHEM483 Physical Chemistry Laboratory I; (2 credits) Grade Method: REG/P-F/AUD.
Corequisite: CHEM481. An introduction to the principles and application of quantitative techniques in physical chemical measurements. Experiments will be coordinated with topics in CHEM481. Rooms for second lab times are to be arranged for all sections. Students must pay a $40.00 Laboratory Materials fee.

0101	Jane Klassen	Seats (Total: 18)	
	M 2:00pm - 4:50pm	CHM 3221	Lab
	M 1:00pm - 1:50pm	CHM 1228	Discussion
0102	Jane Klassen	Seats (Total: 18)	
	Tu 2:00pm - 4:50pm	CHM 3221	Lab
	Tu 12:30pm - 1:20pm	CHM 0122	Discussion
0103	Jane Klassen	Seats (Total: 18)	
	W 1:00pm - 3:50pm	CHM 3221	Lab
	M 1:00pm - 1:50pm	CHM 1228	Discussion

0104	Jane Klassen	Seats (Total: 18)	
	Th 9:00am - 11:50am	CHM 3221	Lab
	Tu 12:30pm - 1:20pm	CHM 0122	Discussion

CHEM484 **Physical Chemistry Laboratory II**

CHEM484 Physical Chemistry Laboratory II; (2 credits) Grade Method: REG/P-F/AUD.
Prerequisite: CHEM481 and CHEM483. Corequisite: CHEM482. A continuation of CHEM 483. Advanced quantitative techniques necessary in physical chemical measurements. Experiments will be coordinated with topics in CHEM 482. Rooms for second lab times are to be arranged for all sections. Students must pay a $40.00 Laboratory Materials fee.

0101	Jane Klassen	Seats (Total: 12)	
	Tu 3:30pm - 6:20pm	CHM 3217	Lab
	Tu 2:00pm - 2:50pm	CHM 1224	Discussion
0102	Jane Klassen	Seats (Total: 12)	
	W 3:00pm - 6:00pm	CHM 3217	Lab
	W 2:00pm - 3:00pm	CHM 1224	Discussion

CHEM498C **Special Topics in Chemistry; Medicinal Chemistry**
Contact department for information to register for this course.

CHEM498E **Special Topics in Chemistry; Entrepreneurship in Chemical and Life Sciences**

CHEM498E Special Topics in Chemistry: Entrepreneurship in Chemical and Life Sciences; (3 credits) Grade Method: REG/P-F/AUD.

0101	Martha Connolly, Frederick Khachik	Seats (Total: 22)	
	M 2:00pm - 5:00pm	POT 2111	

CHEM602 **Advanced Inorganic Chemistry II**

CHEM602 Advanced Inorganic Chemistry II; (3 credits) Grade Method: REG/AUD.
Prerequisite: CHEM 601 or permission of instructor. A continuation of CHEM 601 with emphasis on the application of contemporary spectroscopic techniques to inorganic problems.

0101	Bryan Eichhorn MWF 10:00am - 10:50am	Seats (Total: 15) CHM 0124

CHEM608 **Selected Topics in Inorganic Chemistry; Organometallic Chemistry**

CHEM608 Selected Topics in Inorganic Chemistry: Organometallic Chemistry; (1-3 credits) Grade Method: REG/AUD.

0101	Andrei Vedernikov TuTh 3:30pm - 4:45pm	Seats (Total: 15) CHE 2116

CHEM623 **Optical Methods of Quantitative Analysis**

CHEM623 Optical Methods of Quantitative Analysis; (3 credits) Grade Method: REG/AUD.
Prerequisites: CHEM 421 and CHEM 482 or equivalent. The quantitative applications of various methods of optical spectroscopy.

0101	Neil Blough MWF 2:00pm - 2:50pm	Seats (Total: 15) CHM 1228

CHEM625 **Separation Methods in Quantitative Analysis**

CHEM625 Separation Methods in Quantitative Analysis; (3 credits) Grade Method: REG/AUD.
Prerequisites: CHEM 421 and CHEM 482 or equivalent. The theory and application for quantitative analysis of various forms of chromatography, ion exchange, solvent extraction, distillation, and mass spectroscopy.

0101	Cheng Lee TuTh 8:00am - 9:15am	Seats (Total: 10) CHM 1224

CHEM647 **Organic Synthesis**

CHEM647 Organic Synthesis; (3 credits) Grade Method: REG/AUD.
The use of new reagents in organic reactions; multistep syntheses leading to natural products of biological interest; stereospecific and regiospecific reactions and their use in total synthesis.

0101	Herman Sintim TuTh 9:30am - 10:45am	Seats (Total: 20) CHM 1228

CHEM650 **Problems in Organic Synthesis**

CHEM650 Problems in Organic Synthesis; (1 credit) Grade Method: REG/AUD.
A tutorial type course dealing with mechanistic problems from the current literature of organic sysnthesis.

0101	Herman Sintim F 12:00pm - 12:50pm	Seats (Total: 20) CHM 1228

CHEM678A **Special Topics in Environmental Chemistry; Air Pollution**

CHEM678A Special Topics in Environmental Chemistry: Air Pollution; (3 credits) Grade Method: REG/AUD.

0101	Ross Salawitch, Timothy Canty TuTh 2:00pm - 3:15pm	Seats (Total: 32) CSS 2416

CHEM682 **Reaction Kinetics**

CHEM682 Reaction Kinetics; (3 credits) Grade Method: REG/AUD.

0101	Amy Mullin TuTh 9:30am - 10:45am	Seats (Total: 12) PLS 1146

CHEM687 **Statistical Mechanics and Chemistry**

CHEM687 Statistical Mechanics and Chemistry; (3 credits) Grade Method: REG/AUD.
Prerequisite: CHEM 684 or equivalent.

0101	Millard Alexander TuTh 2:00pm - 3:15pm	Seats (Total: 20) CHM 1228

CHEM691 **Quantum Chemistry II**

CHEM691 Quantum Chemistry II; (3 credits) Grade Method: REG/AUD.
Prerequisite: CHEM 690 or PHYS 622.

0101	Robert Walker	Seats (Total: 22)
	TuTh 11:00am - 12:15pm	CHM 1228

CHEM699 **Special Problems in Chemistry**

CHEM699 Special Problems in Chemistry; (1-6 credits) Grade Method: REG/AUD.
Individual Instruction course: contact department or instructor to obtain section number.
Open only to non-thesis Master's degree candidates.

Contact department for information to register for this course.

CHEM699A **Special Problems in Chemistry; Biological Mass Spectrometry**

CHEM699A Special Problems in Chemistry: Biological Mass Spectrometry; (3 credits) Grade Method: REG/AUD.
Also offered as BCHM676 and BIOE689B.

0101	Catherine Fenselau	Seats (Total: 30)
	TuTh 12:30pm - 1:45pm	CHM 1224

CHEM705 **Nuclear Chemistry**

CHEM705 Nuclear Chemistry; (3 credits) Grade Method: REG/AUD.
Nuclear structure models, radioactive decay processes, nuclear reactions in complex nuclei, fission, nucleosynthesis and nuclear particle accelerators.

0101	Alice Mignerey	Seats (Total: 10)
	Contact instructor or department for details.	

CHEM799 **Master's Thesis Research**

CHEM799 Master's Thesis Research; (1-6 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CHEM889A **Seminar; Analytical, Nuclear and Environmental Chemistry**

CHEM889A Seminar: Analytical, Nuclear and Environmental Chemistry; (1 credit) Grade Method: REG/AUD.

0101	Neil Blough	Seats (Total: 25)
	F 3:00pm - 5:00pm	CHM 1228

CHEM889C **Seminar; Inorganic Chemistry**

CHEM889C Seminar: Inorganic Chemistry; (1 credit) Grade Method: REG/AUD.

0101	Andrei Vedernikov	Seats (Total: 15)
	Th 11:00am - 11:50am	CHM 0124

CHEM889D **Seminar; Organic Chemistry**

CHEM889D Seminar: Organic Chemistry; (1 credit) Grade Method: REG/AUD.

0101	Lyle Isaacs	Seats (Total: 25)
	Th 11:00am - 11:50am	CHM 1224

CHEM889E **Seminar; Physical Chemistry**

CHEM889E Seminar: Physical Chemistry; (1 credit) Grade Method: REG/AUD. Also offered as CHEM889F and CHPH709A.

0101	Janice Reutt-Robey	Seats (Total: 15)
	W 11:00am - 11:50am	CHM 1224

CHEM889F **Seminar; Chemical Physics**

CHEM889F Seminar: Chemical Physics; (1 credit) Grade Method: REG/AUD. Also offered as CHEM889E and CHPH709A.

0101	Janice Reutt-Robey	Seats (Total: 15)
	W 11:00am - 11:50am	CHM 1224

CHEM889G **Seminar; Physical Organic Chemistry**

CHEM889G Seminar: Physical Organic Chemistry; (1 credit) Grade Method: REG/AUD.

0101	Instructor: TBA Contact instructor or department for details.	Seats (Total: 5)

CHEM898 **Pre-Candidacy Research**

CHEM898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CHEM899 **Doctoral Dissertation Research**

CHEM899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CHIN Chinese Spring 2009

CHIN102 **Elementary Spoken Chinese**

Non-majors: please refer to the Foreign Language Placement Section of the Schedule of Classes.

CHIN102 *(PermReq)* **Elementary Spoken Chinese; (3 credits)** Grade Method: REG. *Prerequisite: CHIN101 or equivalent and permission of department. Non-majors admitted only after a placement interview.* Continued study of grammatical patterns and vocabulary buildup with particular emphasis on conversation. May be taken in conjunction with CHIN 103.

0101	Jungjung Lee-Heitz MWF 10:00am - 10:50am	Seats (Total: 15) JMZ 1103
0201	Jungjung Lee-Heitz M 11:00am - 11:50am WF 11:00am - 11:50am	Seats (Total: 15) JMZ 2122 JMZ 3122
0301	Mei Kong MWF 2:00pm - 2:50pm	Seats (Total: 15) JMZ 1103

CHIN103 **Elementary Written Chinese**

CHIN103 *(PermReq)* **Elementary Written Chinese; (3 credits)** Grade Method: REG. *Prerequisite: CHIN101 or equivalent and permission of department. Non-majors admitted only after a placement interview.* Continued study of grammatical patterns and buildup of vocabulary with particular emphasis on reading and writing. May be taken in conjunction with CHIN102.

0101	Guiling Hu TuTh 9:30am - 10:45am	Seats (Total: 15) JMZ 2122
0201	Hongen Yao TuTh 9:30am - 10:45am	Seats (Total: 15) JMZ 1123
0301	Guiling Hu TuTh 11:00am - 12:15pm	Seats (Total: 15) JMZ 3118

CHIN203 **Intermediate Spoken Chinese II**

CHIN203 *(PermReq)* **Intermediate Spoken Chinese II; (3 credits)** Grade Method: REG. CORE Humanities (HO) Course.
Prerequisite: CHIN201 or equivalent and permission of department. Non-majors admitted only after a placement interview. Continuation of CHIN201.

0201	Mei Kong MWF 11:00am - 11:50am	Seats (Total: 15) JMZ 0208
0301	Mei Kong MWF 1:00pm - 1:50pm	Seats (Total: 15) JMZ 2120

CHIN204 **Intermediate Written Chinese II**

CHIN204 *(PermReq)* **Intermediate Written Chinese II; (3 credits)** Grade Method: REG. CORE Humanities (HO) Course.
Prerequisite: CHIN202 or equivalent and permission of department. Non-majors admitted only after a placement interview. Continuation of CHIN202.

0101	Hongen Yao TuTh 11:00am - 12:15pm	Seats (Total: 15) JMZ 0118

0201	Yuli Wang TuTh 2:00pm - 3:15pm	Seats (Total: 15) JMZ 0122

CHIN205 **Intermediate Chinese - Accelerated Track**

CHIN205 *(PermReq)* **Intermediate Chinese - Accelerated Track; (3 credits)** Grade Method: REG. CORE Humanities (HO) Course.
Prerequisite: permission of department. Not open to students who have completed CHIN201, CHIN202, CHIN203, or CHIN204. Accelerated instruction in Mandarin Chinese at the intermediate level for students with prior Chinese language background, either through home use or formal instruction.

0101	Mei Kong MWF 3:00pm - 3:50pm	Seats (Total: 15) JMZ 3120

CHIN213 **Chinese Poetry into English: An Introduction**

CHIN213 Chinese Poetry into English: An Introduction; (3 credits) Grade Method: REG. CORE Literature (HL) Course. CORE Diversity (D) Course.
Issues in the intercultural and interlingual interpretation of foreign literature through the study of Western translations of and scholarship on selected Chinese poets. No knowledge of Chinese required.

0101	Huichun Liang MWF 10:00am - 10:50am	Seats (Total: 25) EGR 2116
0201	Huichun Liang MWF 11:00am - 11:50am	Seats (Total: 25) EGR 0108
0301	Huichun Liang MWF 12:00pm - 12:50pm	Seats (Total: 25) EGR 3106

CHIN302 **Advanced Chinese II**

CHIN302 *(PermReq)* **Advanced Chinese II; (3 credits)** Grade Method: REG.
Prerequisite: CHIN301 or equivalent. Non-majors admitted only after a placement interview. Continuation of CHIN301.

0201	Jungjung Lee-Heitz M 2:00pm - 2:50pm WF 2:00pm - 2:50pm	Seats (Total: 15) JMZ 2120 JMZ 3120

CHIN306 **Life in China through TV Plays II**

CHIN306 Life in China through TV Plays II; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: CHIN305 or permission of department. Continuation of CHIN305 using authentic Chinese language material in TV plays to learn about society and life in China.

0201	Hongen Yao TuTh 3:30pm - 4:45pm	Seats (Total: 15) JMZ 0205

CHIN316 **Traditional Chinese Values**

CHIN316 Traditional Chinese Values; (3 credits) Grade Method: REG. CORE Diversity (D) Course.
Classical Chinese thought and literature in English translation. Discussions will explore what these writings reflect about traditional Chinese ideas on morality and personal values -- how should a person live, and why? What do the main philosophical schools have to say about the question? Taught in English.

0101	Huichun Liang MWF 2:00pm - 2:50pm	Seats (Total: 30) COL 0102

CHIN402 **Readings in Modern Chinese II**

CHIN402 Readings in Modern Chinese II; (3 credits) Grade Method: REG.
Prerequisite: CHIN401 or equivalent. Non-majors admitted only after a placement interview. Continuation of CHIN401.

0101	Nan Jiang TuTh 12:30pm - 1:45pm	Seats (Total: 15) JRN 1104

CHIN418E **Special Topics in Contemporary Chinese Fiction and Film; The Most Recent Chinese Fiction and Films**

CHIN418E Special Topics in Contemporary Chinese Fiction and Film: The Most Recent Chinese Fiction and Films; (3 credits) Grade Method: REG/P-F/AUD. Prerequisite: CHIN302 or equivalent.

0101	Jianmei Liu	Seats (Total: 20)
	TuTh 12:30pm - 1:45pm	HBK RM H
	Course will meet in Hornbake Library Room H.	

CHIN428M **Selected Topics in Chinese Linguistics; Morphology**

CHIN428M Selected Topics in Chinese Linguistics: Morphology; (3 credits) Grade Method: REG/AUD.

0101	Hongen Yao	Seats (Total: 15)
	TuTh 2:00pm - 3:15pm	JMZ 2207

CHIN442 **Modern Chinese Fiction**

CHIN442 Modern Chinese Fiction; (3 credits) Grade Method: REG. *Prerequisite: permission of department.* Examination, through selected texts, of the writer's role as shaper and reflector of the Republican and Communist revolutions. Taught in Chinese.

0101	Jianmei Liu	Seats (Total: 20)
	TuTh 11:00am - 12:15pm	JMZ 1117

CHIN499 **Directed Study in Chinese**

CHIN499 Directed Study in Chinese; (1-3 credits) Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CHPH Chemical Physics Spring 2009

CHPH618 **Special Projects in Chemical Physics**

CHPH618 Special Projects in Chemical Physics; (2 credits) Grade Method: REG/AUD.

0101	Eun-Suk Seo Contact instructor or department for details.	Seats (Total: 10)

CHPH709A **Seminar in Chemical Physics; Physical Chemistry**

CHPH709A Seminar in Chemical Physics: Physical Chemistry; (1 credit) Grade Method: REG/AUD.
Also offered as CHEM 889E and CHEM 889F.

0101	Janice Reutt-Robey W 11:00am - 11:50am	Seats (Total: 15) CHM 1224

CHPH709B **Seminar in Chemical Physics; Statistical Physics**

CHPH709B Seminar in Chemical Physics: Statistical Physics; (1 credit) Grade Method: REG/AUD.
Also offered as PHYS709.

0101	John Weeks W 4:00pm - 6:00pm	Seats (Total: 20) HJP 2242

CHPH709L **Seminar in Chemical Physics; Biophysics**

CHPH709L Seminar in Chemical Physics: Biophysics; (1 credit) Grade Method: REG/AUD.
Also offered as PHYS798L.

0101	Arpita Upadhyaya M 4:00pm - 5:30pm	Seats (Total: 10) IPT 1116

CHPH718A **Special Topics in Chemical Physics; Current Topics in Surface Physics**

CHPH718A Special Topics in Chemical Physics: Current Topics in Surface Physics; (2 credits) Grade Method: REG/AUD.
Also offered as PHYS838A.

0101	Ellen Williams M 12:00pm - 1:00pm F 3:00pm - 5:00pm	Seats (Total: 3) PHY 2120 PHY 2120

CHPH718F **Special Topics in Chemical Physics; Methods of Statistical Physics**

CHPH718F Special Topics in Chemical Physics: Methods of Statistical Physics; (3 credits) Grade Method: REG/AUD.
Prerequisite: PHYS 414 or equivalent. Credit will be granted for only one of the following: PHYS 602 or PHYS 603. Foundations and applications of thermodynamics and statistical mechanics. Advanced special students require department authorization. Also offered as PHYS603.

0101	Theodore Kirkpatrick TuTh 9:30am - 10:45am	Seats (Total: 60) PHY 1201

CHPH718I **Special Topics in Chemical Physics; Independent Studies**

CHPH718I *(PermReq)* **Special Topics in Chemical Physics: Independent Studies; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CHPH718N **Special Topics in Chemical Physics; Basic Biophysics for Motion in Cells**

CHPH718N Special Topics in Chemical Physics: Basic Biophysics for Motion in Cells; (3 credits) Grade Method: REG/AUD.
Also offered as PHYS798N.

0101	Michael Fisher TuTh 9:30am - 10:45am	Seats (Total: 30) IPST 1116

CHPH718Z **Special Topics in Chemical Physics; Biosensor Techniques**

CHPH718Z Special Topics in Chemical Physics: Biosensor Techniques; (3 credits) Grade Method: REG/AUD.
Also offered as BIOE689Z.

0101	Ian White MWF 10:00am - 10:50am	Seats (Total: 20) CHE 2145

CHPH799 **Master's Thesis Research**

CHPH799 *(PermReq)* **Master's Thesis Research; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CHPH898 **Pre-Candidacy Research**

CHPH898 *(PermReq)* **Pre-Candidacy Research; (1-8 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CHPH899 **Doctoral Dissertation Research**

CHPH899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CLAS Classics Spring 2009

CLAS170 **Greek and Roman Mythology**

CLAS170 Greek and Roman Mythology; (3 credits) Grade Method: REG/P-F/AUD. CORE Literature (HL) Course.
This course cannot be taken for language credit. This course is particularly recommended for students planning to major in foreign languages, English, history, the fine arts, or journalism. Taught in English.

0101	Eva Stehle MW 10:00am - 10:50am F 1:00pm - 1:50pm	Seats (Total: 24) MMH 1400 MMH 0108	 Discussion
0102	Eva Stehle MW 10:00am - 10:50am Th 11:00am - 11:50am	Seats (Total: 24) MMH 1400 HBK 0115	 Discussion
0103	Eva Stehle MW 10:00am - 10:50am Th 11:00am - 11:50am	Seats (Total: 24) MMH 1400 MTH 0201	 Discussion

0104	Eva Stehle MW 10:00am - 10:50am Th 12:30pm - 1:20pm	Seats (Total: 24) MMH 1400 TLF 1103	Discussion
0105	Eva Stehle MW 10:00am - 10:50am F 12:00pm - 12:50pm	Seats (Total: 24) MMH 1400 MMH 3418	Discussion
0106	Eva Stehle MW 10:00am - 10:50am F 10:00am - 10:50am	Seats (Total: 24) MMH 1400 ARM 0118	Discussion
0107	Eva Stehle MW 10:00am - 10:50am F 10:00am - 10:50am	Seats (Total: 24) MMH 1400 MMH 3418	Discussion
0108	Eva Stehle MW 10:00am - 10:50am F 2:00pm - 2:50pm	Seats (Total: 24) MMH 1400 MMH 0108	Discussion
0201	Eva Stehle MW 11:00am - 11:50am F 1:00pm - 1:50pm	Seats (Total: 27) MMH 1400 MMH 3418	Discussion
0202	Eva Stehle MW 11:00am - 11:50am Th 9:30am - 10:20am	Seats (Total: 27) MMH 1400 HBK 1108	Discussion
0203	Eva Stehle MW 11:00am - 11:50am Th 9:30am - 10:20am	Seats (Total: 27) MMH 1400 TLF 1103	Discussion
0204	Eva Stehle MW 11:00am - 11:50am Th 12:30pm - 1:20pm	Seats (Total: 27) MMH 1400 SYM 0215	Discussion
0205	Eva Stehle MW 11:00am - 11:50am F 11:00am - 11:50am	Seats (Total: 27) MMH 1400 MMH 3418	Discussion

0206	Eva Stehle MW 11:00am - 11:50am F 2:00pm - 2:50pm	Seats (Total: 27) MMH 1400 WDS 1130	Discussion
0207	Eva Stehle MW 11:00am - 11:50am F 11:00am - 11:50am	Seats (Total: 27) MMH 1400 CHM 1224	Discussion

CLAS271 **Roman Literature in Translation**

CLAS271 Roman Literature in Translation; (3 credits) Grade Method: REG/P-F/AUD. CORE Literature (HL) Course.
Selections in translation of Latin literature to the time of Apuleius. Special emphasis will be placed on poetry of the Augustan Age. No knowledge of Latin is required.

0101	Kenneth Tuite MWF 12:00pm - 12:50pm	Seats (Total: 35) MMH 1400

CLAS309E **Special Topics in Classical Literature; Ancient Economy**

CLAS309E Special Topics in Classical Literature: Ancient Economy; (3 credits) Grade Method: REG/P-F/AUD.

0101	Kenneth Tuite MWF 2:00pm - 2:50pm	Seats (Total: 35) JMZ 2206

CLAS331 **Roman Religion: From Jupiter to Jesus**

CLAS331 Roman Religion: From Jupiter to Jesus; (3 credits) Grade Method: REG/P-F/AUD. CORE Diversity (D) Course.
Formerly CLAS309J. Survey of the major institutions of Roman state and private religion and of the diverse religions, including Judaism and Christianity, practiced in the Roman empire.

0101	Steven Rutledge MW 3:30pm - 4:45pm	Seats (Total: 35) SYM 0215

CLAS470 **Approaches to Greek Mythology**

CLAS470 Approaches to Greek Mythology; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: CLAS170 or permission of department. Ancient and modern approaches to understanding Greek myth as expression of human experience, including interpretations drawn from psychology, anthropology, and comparative mythology.

0101	Gregory Staley	Seats (Total: 35)
	TuTh 11:00am - 12:15pm	EGR 0110

CLAS499 **Independent Study in Classical Languages and Literatures**

CLAS499 *(PermReq)* **Independent Study in Classical Languages and Literatures; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CLAS699 **Independent Study in Classical Civilization**

CLAS699 *(PermReq)* **Independent Study in Classical Civilization; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CLFS Chemical and Life Sciences Spring 2009

CLFS001 **Life Science Assessment Test**
Contact department for information to register for this course.

CLFS510 **Concepts of Modern Biology**

CLFS510 Concepts of Modern Biology; (3 credits) Grade Method: REG.
Prerequisite: permission of department. Corequisite: Open to high school and middle school teachers. Discussion of recent advancements in the biological sciences. Includes in depth treatment of the background information responsible for the advancements. Not acceptable for credit towards a degree.

DL01	Bretton Kent	Seats (Total: 20)
	Meets March 2, 2009 - May 22, 2009	
	Class time/details on ELMs	ONLINE
	This course is only available to students in the Master of Chemical and Life Sciences program. For more information please visit http://www.professionalstudies.umd.edu/life/.	

CLFS520 **Concepts of Modern Chemistry**

CLFS520 Concepts of Modern Chemistry; (3 credits) Grade Method: REG.
Basic concepts and recent advances in the chemical sciences. It is designed to be a review of the first two years of college chemistry for the student persuing the Master of Life Science degree with a concentration in chemistry. Also includes material preparatory for LFSC courses such as LFSC 690 and LFSC 655. A basic text supplemented by on line text, problems and links. (Not acceptable for credit towards a degree).

DL01	Dorothy Mazzocchi	Seats (Total: 15)
	Meets March 2, 2009 - May 22, 2009	
	Class time/details on ELMs	ONLINE
	This course is only available to students in the Master of Chemical and Life Sciences program. For more information please visit http://www.professionalstudies.umd.edu/life/.	

CLFS608 **Seminar in Current Topics in Chemical and Life Science; Scholarly Paper**
Contact department for information to register for this course.

CLFS608A **Seminar in Current Topics in Chemical and Life Science; Independent Research**
Contact department for information to register for this course.

CLFS610 **Natural Products Chemistry**

CLFS610 Natural Products Chemistry; (3 credits) Grade Method: REG.
Prerequisite: Permission of program. Credit will be granted for only one of the following: LFSC609D or LFSC610. Formerly LFSC609D. Foundations of natural products chemistry; how nature goes about making (biosynthesizing) these compounds and elements of enzymology and genomics relevant to production of these compounds; relevance of natural products chemistry as a driving force for drug discovery and innovation in biotechnology.

DL01	Bruce Jarvis	Seats (Total: 20)
	Meets March 2, 2009 - May 22, 2009	
	Class time/details on ELMs	ONLINE
	This course is only available to students in the Master of Chemical and Life Sciences program. For more information please visit http://www.professionalstudies.umd.edu/life/.	

CLFS619A **Special Topics in Chemistry; Molecular Spectroscopy**
Contact department for information to register for this course.

CLFS619T **Special Topics in Chemistry; Special Studies in Life Sciences**
Contact department for information to register for this course.

CLFS620 **Modern Molecular Genetics**

CLFS620 Modern Molecular Genetics; (3 credits) Grade Method: REG/AUD.
An overview of genetics including the genetic basis/components in prevalent diseases, genetically engineered organisms and foods, the importance of knowing the complete DNA sequence of organisms.

DL01	Paul Bottino	Seats (Total: 21)
	Meets March 2, 2009 - May 22, 2009	
	Class time/details on ELMs	ONLINE
	This course is only available to students in the Master of Chemical and Life Sciences program. For more information please visit http://www.professionalstudies.umd.edu/life/.	

CLFS630 **Principles of Transmission Genetics: A Historical and Modern Perspective**

CLFS630 Principles of Transmission Genetics: A Historical and Modern Perspective; (3 credits) Grade Method: REG/AUD.
Examines the origins of modern genetics, model genetic systems, and the role of chromosomes in vertical transmission of genetic information from parent to offspring. Classical gene mapping, population genetics and the various applications of modern genetics will also be studied.

DL01	Nancy Trun	Seats (Total: 21)
	Meets March 2, 2009 - May 22, 2009	
	Class time/details on ELMs	ONLINE
	This course is only available to students in the Master of Chemical and Life Sciences program. For more information please visit http://www.professionalstudies.umd.edu/life/.	

CLFS660 **Biodiversity and Conservation Biology**
Contact department for information to register for this course.

CLFS680 **Chemical Ecology**

CLFS680 Chemical Ecology; (3 credits) Grade Method: REG/AUD.
An examination of the utilization of organic natural products by plants and animals for various life processes. Examples will include how materials are utilized for sexual selection, defense against predators, sexual attractants, and as natural herbicides and repellants.

DL01	Dorothy Mazzocchi, Bruce Jarvis	Seats (Total: 20)
	Meets March 2, 2009 - May 22, 2009	
	Class time/details on ELMs	ONLINE
	This course is only available to students in the Master of Chemical and Life Sciences program. For more information please visit http://www.professionalstudies.umd.edu/life/.	

CLFS690 **Biochemistry**

CLFS690 Biochemistry; (3 credits) Grade Method: REG/AUD.
An advanced overview of general biochemistry including a study of protein structure and their physical properties; how these properties relate to catalysis, regulation of catalysis and metabolic chemistry with respect to their relationship to physiological conditions.

DL01	David Jollie	Seats (Total: 24)
	Meets March 2, 2009 - May 22, 2009	
	Class time/details on ELMs	ONLINE
	This course is only available to students in the Master of Chemical and Life Sciences program. For more information please visit http://www.professionalstudies.umd.edu/life/.	

CMLT Comparative Literature Spring 2009

CMLT214 **Film Form and Culture**

CMLT214 Film Form and Culture; (3 credits) Grade Method: REG/P-F/AUD. CORE History or Theory of Arts (HA) Course.
Introduction to film forms in international perspective. Emphasis on the techniques of film analysis, distinctions among film genres, and the history of cinema.

0101	Greg Metcalf	Seats (Total: 22)	
	MW 2:00pm - 2:50pm	SQH 1120	
	M 3:00pm - 4:50pm	SQH 1120	Lab
	F 10:00am - 10:50am	PLS 1111	Discussion
0102	Greg Metcalf	Seats (Total: 22)	
	MW 2:00pm - 2:50pm	SQH 1120	
	M 3:00pm - 4:50pm	SQH 1120	Lab
	F 11:00am - 11:50am	PLS 1111	Discussion
0103	Greg Metcalf	Seats (Total: 22)	
	MW 2:00pm - 2:50pm	SQH 1120	
	M 3:00pm - 4:50pm	SQH 1120	Lab
	F 1:00pm - 1:50pm	PLS 1113	Discussion
0104	Greg Metcalf	Seats (Total: 22)	
	MW 2:00pm - 2:50pm	SQH 1120	
	M 3:00pm - 4:50pm	SQH 1120	Lab
	F 2:00pm - 2:50pm	PLS 1113	Discussion

CMLT270 **Global Literature and Social Change**

CMLT270 Global Literature and Social Change; (3 credits) Grade Method: REG/P-F/AUD. CORE Literature (HL) Course. CORE Diversity (D) Course.
Comparative study of literature through selected literary works from several non-Western cultures, viewed cross-culturally in light of particular social, political, and economic perspectives.

0101	Liora Moriel	Seats (Total: 35)
	MWF 12:00pm - 12:50pm	SQH 1101
0201	Ellen Moll	Seats (Total: 35)
	MWF 9:00am - 9:50am	SQH 1103

0301	Mirona Magearu TuTh 9:30am - 10:45am	Seats (Total: 35) TYD 2102
0401	Bruce Clarkson TuTh 12:30pm - 1:45pm	Seats (Total: 35) HBK 1112
0501	Aparajita De TuTh 2:00pm - 3:15pm	Seats (Total: 35) HBK 1108

CMLT275 **World Literature by Women**

CMLT275 World Literature by Women; (3 credits) Grade Method: REG/P-F/AUD. CORE Literature (HL) Course. CORE Diversity (D) Course.
Also offered as WMST275. Credit will be granted for only one of the following: CMLT275 or WMST275. Comparative study of selected works by women writers of several countries, exploring points of intersection and divergence in women's literary representations.

0101	Amy Karp TuTh 12:30pm - 1:45pm	Seats (Total: 35) SQH 1119
0201	Amy Karp TuTh 11:00am - 12:15pm	Seats (Total: 35) HBK 1108
0301	Liora Moriel MW 3:30pm - 4:45pm	Seats (Total: 35) LEF 1220
0401	Almila Ozdek TuTh 12:30pm - 1:45pm	Seats (Total: 35) HBK 1108

CMLT280 **Film Art in a Global Society**

CMLT280 Film Art in a Global Society; (3 credits) Grade Method: REG/P-F/AUD. CORE History or Theory of Arts (HA) Course. CORE Diversity (D) Course. Comparative study of a variety of film traditions from around the world, including cinema from Hollywood, Europe, Asia and developing countries, with a stress on different cultural contexts for film-making and viewing.

0101	Greg Metcalf Tu 12:30pm - 2:50pm F 10:00am - 10:50am	Seats (Total: 24) SQH 1120 SQH 1103	 Discussion
0102	Greg Metcalf Tu 12:30pm - 2:50pm F 12:00pm - 12:50pm	Seats (Total: 24) SQH 1120 SQH 1117	 Discussion
0103	Greg Metcalf Tu 12:30pm - 2:50pm F 1:00pm - 1:50pm	Seats (Total: 24) SQH 1120 SQH 1117	 Discussion
0104	Greg Metcalf Tu 12:30pm - 2:50pm F 2:00pm - 2:50pm	Seats (Total: 24) SQH 1120 SQH 1117	 Discussion

CMLT386 **Experiential Learning**

CMLT386 *(PermReq)* **Experiential Learning; (3-6 credits)** Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: permission of department. Junior standing.

Contact department for information to register for this course.

CMLT498A **Selected Topics in Comparative Studies; Auteurs and Poseurs: Film and the Concept of Authorship**

CMLT498A Selected Topics in Comparative Studies: Auteurs and Poseurs: Film and the Concept of Authorship; (3 credits) Grade Method: REG/P-F/AUD.

0101	Marianne Conroy MW 2:00pm - 3:15pm	Seats (Total: 35) SQH 1119	

CMLT498G **Selected Topics in Comparative Studies; International Silent Film History**

CMLT498G Selected Topics in Comparative Studies: International Silent Film History; (3 credits) Grade Method: REG/P-F/AUD.

0101	Torey Liepa W 6:00pm - 10:00pm	Seats (Total: 35) SQH 1120	

CMLT498L **Selected Topics in Comparative Studies; The Jazz Paradigm**

CMLT498L Selected Topics in Comparative Studies: The Jazz Paradigm; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as ENGL379R.

0101	Eugene Robinson TuTh 2:00pm - 3:15pm	Seats (Total: 35) SQH 1107

CMLT498N **Selected Topics in Comparative Studies; Cinema of Liberation**

CMLT498N Selected Topics in Comparative Studies: Cinema of Liberation; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as ENGL379V.

0101	Eugene Robinson TuTh 9:30am - 10:45am	Seats (Total: 35) SQH 1101
0201	Eugene Robinson TuTh 11:00am - 12:15pm	Seats (Total: 35) SQH 1101

CMLT498W **Selected Topics in Comparative Studies; The Global Western Film**

CMLT498W Selected Topics in Comparative Studies: The Global Western Film; (3 credits) Grade Method: REG/P-F/AUD.

0101	Torey Liepa Th 6:00pm - 10:00pm	Seats (Total: 35) SQH 1120

CMLT498Y **Selected Topics in Comparative Studies; Race, Sexuality and the Transnational**

CMLT498Y *(PermReq)* **Selected Topics in Comparative Studies: Race, Sexuality and the Transnational; (3 credits)** Grade Method: REG/P-F/AUD.
Also offered as LGBT488A.
Developments in theories and methods of LGBT Studies, with emphasis upon interaction between the humanities and the social sciences in the elaboration of this interdisciplinary area of scholarship.

0101	Christina Hanhardt	Seats (Total: 12)
	TuTh 2:00pm - 3:15pm	SQH 2123

CMLT699 **Independent Study**

CMLT699 *(PermReq)* **Independent Study; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CMLT788T **Practicum in Comparative Studies; Translation Studies**

CMLT788T Practicum in Comparative Studies: Translation Studies; (1 credit) Grade Method: S-F.
Also offered as SLLC698T.

0101	Lauretta Clough, Zita Nunes	Seats (Total: 12)
	Contact instructor or department for details.	

CMLT799 **Master's Thesis Research**

CMLT799 Master's Thesis Research; (1-6 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CMLT898 **Pre-Candidacy Research**

CMLT898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CMLT899 **Doctoral Dissertation Research**

CMLT899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CMPS Computer, Mathematical and Physical Sciences — Spring 2009

CMPS299R **Special Topics; Research Experiences and Graduate School Preparation**

CMPS299R *(PermReq)* **Special Topics: Research Experiences and Graduate School Preparation; (1 credit)** Grade Method: REG/P-F/AUD.

0101	Tamara Singleton	Seats (Total: 20)
	Th 5:00pm - 6:30pm	CSI 3117

CMPS299T **Special Topics; Achieving College Excellence: First Year Transition**
Contact department for information to register for this course.

CMPS497 **Experiential Learning**

CMPS497 *(PermReq)* **Experiential Learning; (1-3 credits)** Grade Method: S-F. *Prerequisite: Permission of CMPS Department. For CMPS majors only.* This course is part of the experiential learning internship program, Corporate Scholars, set up by the college and industry. It offers students an opportunity to gain practical experience in their chosen career fields. Fall semester only.

0101	James Purtilo	Seats (Total: 5)
	Contact instructor or department for details.	

CMSC Computer Science — Spring 2009

CMSC102 **Introduction to Information Technology**

CMSC102 Introduction to Information Technology; (3 credits) Grade Method: REG/P-F/AUD. CORE Interdisciplinary & Emerging Issues (IE) Course.
For non-majors only. Not recommended for BMGT students. Not open to students who have completed CMSC114 or higher. Credit will be granted for only one of the following: CMSC102, CMSC132 or CMSC214. If CMSC102 is taken before CMSC132 or CMSC214, then credit will be granted for both. A historical and practical introduction to computer and network terminology, applications and concepts. Students will have hands-on experience with a variety of tools available to find and access information on the Internet, to exchange information between computers, and to perform basic web design. Students will explore applications (such as browsers and spreadsheets) as well as different computing environments (such as Windows and UNIX). There will be discussions of social, legal, and ethical issues related to technology.

0201	Evan Golub	Seats (Total: 90)	
	TuTh 2:00pm - 3:15pm	CSI 1115	

CMSC122 **Introduction to Computer Programming via the Web**

CMSC122 Introduction to Computer Programming via the Web; (3 credits) Grade Method: REG/P-F/AUD. CORE Interdisciplinary & Emerging Issues (IE) Course.
Not open to students who have completed CMSC132 or higher. Credit will be granted for only one of the following: CMSC122 or CMSC198N. Formerly CMSC198N. Introduction to computer programming in the context of developing full featured dynamic web sites. Uses a problem solving approach to teach basics of program design and implementation using JavaScript; relates these skills to creation of dynamic web sites; then explores both the potential and limits of web-based information sources for use in research. Intended to help relate a student's major to these emerging technologies.

0101	Nelson Padua-Perez	Seats (Total: 80)	
	MW 2:00pm - 3:15pm	CSI 1115	

CMSC131 **Object-Oriented Programming I**

CMSC131 *(PermReq)* **Object-Oriented Programming I; (4 credits)** Grade Method: REG/P-F/AUD.
Corequisite: MATH140 and permission of department. Not open to students who have completed CMSC114. Introduction to programming and computer science. Emphasizes understanding and implementation of applications using object-oriented techniques. Develops skills such as program design and testing as well as implementation of programs using a graphical IDE. Programming done in Java. For CMSC majors only.

0201	Jandelyn Plane	Seats (Total: 20)	
	MWF 10:00am - 10:50am	CSI 2117	
	MW 11:00am - 11:50am	CSI 3120	Discussion
0202	Jandelyn Plane	Seats (Total: 20)	
	MWF 10:00am - 10:50am	CSI 2117	
	MW 12:00pm - 12:50pm	CSI 3120	Discussion

0203	Jandelyn Plane MWF 10:00am - 10:50am MW 11:00am - 11:50am	Seats (Total: 20) CSI 2117 CSI 3118	Discussion
0301	Jandelyn Plane MWF 11:00am - 11:50am MW 12:00pm - 12:50pm	Seats (Total: 20) CSI 2117 CSI 3118	Discussion
0302	Jandelyn Plane MWF 11:00am - 11:50am MW 1:00pm - 1:50pm	Seats (Total: 20) CSI 2117 CSI 3118	Discussion
0401	Jandelyn Plane MWF 12:00pm - 12:50pm MW 1:00pm - 1:50pm	Seats (Total: 20) CSI 2117 CSI 3120	Discussion
0402	Jandelyn Plane MWF 12:00pm - 12:50pm MW 2:00pm - 2:50pm	Seats (Total: 20) CSI 2117 CSI 3120	Discussion

CMSC132 **Object-Oriented Programming II**

CMSC132 *(PermReq)* **Object-Oriented Programming II; (4 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: CMSC131 with a grade of C or better; or a score of 5 on the A Java AP exam; or a score of 4 or 5 on the AB Java AP exam; or permission of the department based on satisfactory performance on the department placement exam and permission of department. Corequisite: MATH141. Introduction to use of computers to solve problems using software engineering principles. Design, build, test, and debug medium -size software systems and learn to use relevant tools. Use object-oriented methods to create effective and efficient problem solutions. Use and implement application programming interfaces (APIs). Programming done in Java.

0101	Nelson Padua-Perez MWF 9:00am - 9:50am MW 10:00am - 10:50am	Seats (Total: 24) CSI 1115 CSI 2107	Discussion
0102	Nelson Padua-Perez MWF 9:00am - 9:50am MW 11:00am - 11:50am	Seats (Total: 24) CSI 1115 CSI 2107	Discussion

0201	Nelson Padua-Perez MWF 10:00am - 10:50am MW 11:00am - 11:50am	Seats (Total: 24) CSI 1115 CSI 2118	Discussion
0202	Nelson Padua-Perez MWF 10:00am - 10:50am MW 12:00pm - 12:50pm	Seats (Total: 24) CSI 1115 CSI 2118	Discussion
0301	Fawzi Emad MWF 1:00pm - 1:50pm MW 2:00pm - 2:50pm	Seats (Total: 24) CSI 3117 CSI 2107	Discussion
0302	Fawzi Emad MWF 1:00pm - 1:50pm MW 3:00pm - 3:50pm	Seats (Total: 24) CSI 3117 CSI 2107	Discussion

CMSC132H **Object-Oriented Programming II**

CMSC132H *(PermReq)* **Object-Oriented Programming II; (4 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: CMSC131 with a grade of C or better; or a score of 5 on the A Java AP exam; or a score of 4 or 5 on the AB Java AP exam; or permission of the department based on satisfactory performance on the department placement exam and permission of department. Corequisite: MATH141. For general honors students only.

0101	Fawzi Emad MWF 12:00pm - 12:50pm MW 1:00pm - 1:50pm	Seats (Total: 30) CSI 3117 CSI 2107	Discussion

CMSC198A **Special Topics in Computer Science for Non-Majors; Special Topics for Non-Computer Science Majors**

CMSC198A *(PermReq)* **Special Topics in Computer Science for Non-Majors: Special Topics for Non-Computer Science Majors; (1-4 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CMSC212 **Introduction to Low-Level Programming Concepts**

CMSC212 *(PermReq)* **Introduction to Low-Level Programming Concepts; (4 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: CMSC132 with a grade of C or better; or permission of the department based on satisfactory performance on the department placement exam and permission of department. Corequisite: CMSC250. Introduction to many of the concepts that lie behind software, such as hardware, memory layout, memory management, and operating systems. Explain how these concepts affect the design of software systems.

0101	Laurence Herman TuTh 11:00am - 12:15pm MW 9:00am - 9:50am	Seats (Total: 25) CSI 2117 CSI 2118	 Discussion
0102	Laurence Herman TuTh 11:00am - 12:15pm MW 10:00am - 10:50am	Seats (Total: 25) CSI 2117 CSI 2118	 Discussion
0301	Laurence Herman TuTh 2:00pm - 3:15pm MW 1:00pm - 1:50pm	Seats (Total: 25) CSI 2117 CSI 2118	 Discussion
0302	Laurence Herman TuTh 2:00pm - 3:15pm MW 2:00pm - 2:50pm	Seats (Total: 25) CSI 2117 CSI 2118	 Discussion
0401	Laurence Herman TuTh 3:30pm - 4:45pm MW 3:00pm - 3:50pm	Seats (Total: 25) CSI 2117 CSI 1121	 Discussion
0402	Laurence Herman TuTh 3:30pm - 4:45pm MW 4:00pm - 4:50pm	Seats (Total: 25) CSI 2117 CSI 1121	 Discussion

CMSC250 **Discrete Structures**

CMSC250 *(PermReq)* **Discrete Structures; (4 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: CMSC131 with a grade of C or better; MATH141; and permission of department. Formerly CMSC150. Fundamental mathematical concepts related to computer science, including finite and infinite sets, relations, functions, and propositional logic. Introduction to other techniques, modeling and solving problems in computer science. Introduction to permutations, combinations, graphs, and trees with selected applications. Prerequisite: CMSC 131 with a grade of C or better; MATH 141.Permission of department.

0101	John Aloimonos MWF 10:00am - 10:50am MW 11:00am - 11:50am	Seats (Total: 35) CSI 3117 CSI 1121	 Discussion
0102	John Aloimonos MWF 10:00am - 10:50am MW 12:00pm - 12:50pm	Seats (Total: 35) CSI 3117 CSI 1121	 Discussion
0201	Fawzi Emad MWF 11:00am - 11:50am MW 1:00pm - 1:50pm	Seats (Total: 35) CSI 3117 CSI 1121	 Discussion
0202	Fawzi Emad MWF 11:00am - 11:50am MW 2:00pm - 2:50pm	Seats (Total: 35) CSI 3117 CSI 1121	 Discussion

CMSC298A **Special Topics in Computer Science**

CMSC298A *(PermReq)* **Special Topics in Computer Science; (1-4 credits)** Grade Method: S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CMSC311 **Computer Organization**

CMSC311 *(PermReq)* **Computer Organization; (3 credits)** Grade Method: REG.
Prerequisite: CMSC212 and CMSC250 each with a grade of C (2.0) or better; and permission of department. Introduction to assembly language. Design of digital logic circuits. Organization of central processors, including instruction sets, register transfer operations, control microprogramming, data representation, and arithmetic algorithms. Memory and input/output organization.

0101	Michelle Hugue MW 2:00pm - 3:15pm	Seats (Total: 42) CSI 2117	
0201	Michelle Hugue MW 3:30pm - 4:45pm	Seats (Total: 42) CSI 2117	

CMSC330 **Organization of Programming Languages**

CMSC330 *(PermReq)* **Organization of Programming Languages; (3 credits)** Grade Method: REG.
Prerequisite: CMSC212 and CMSC250: each with a grade of C (2.0) or better; and permission of department. The semantics of programming languages and their run-time organization. Several different models of languages are discussed, including procedural (e.g., C, Pascal), functional (e.g., ML, LISP), rule-based (e.g., Prolog), and object-oriented (e.g., C++, Smalltalk). Run-time structures, including dynamic versus static scope rules, storage for strings, arrays, records, and object inheritance are explored.

0101	Chau-Wen Tseng TuTh 11:00am - 12:15pm MW 9:00am - 9:50am	Seats (Total: 30) CSI 1115 CSI 1122	 Discussion
0102	Chau-Wen Tseng TuTh 11:00am - 12:15pm MW 10:00am - 10:50am	Seats (Total: 30) CSI 1115 CSI 1122	 Discussion
0201	Vibha Sazawal TuTh 2:00pm - 3:15pm MW 11:00am - 11:50am	Seats (Total: 30) CSI 3117 CSI 1122	 Discussion
0202	Vibha Sazawal TuTh 2:00pm - 3:15pm MW 12:00pm - 12:50pm	Seats (Total: 30) CSI 3117 CSI 1122	 Discussion

CMSC351 **Algorithms**

CMSC351 *(PermReq)* **Algorithms; (3 credits)** Grade Method: REG. *Prerequisite: CMSC212 and CMSC250: each with a grade of C (2.0) or better; and permission of department. CMSC351 may not count as one of the required upper level CMSC courses for students who are required to have 24 upper level CMSC credits for graduation, i.e. for students who became computer science majors prior to Fall, 2002. Credit will be granted for only one of the following: CMSC251 or CMSC351. Formerly CMSC251.* A systematic study of the complexity of some elementary algorithms related to sorting, graphs and trees, and combinatorics. Algorithms are analyzed using mathematical techniques to solve recurrences and summations.

0101	Evan Golub MW 2:00pm - 3:15pm	Seats (Total: 55) CSI 3117
0201	Evan Golub MW 3:30pm - 4:45pm	Seats (Total: 50) CSI 3117

CMSC390 **Honors Paper**

CMSC390 *(PermReq)* **Honors Paper; (3 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number. *Prerequisite: admission to CMSC Honors Program.* Special study or research directed toward preparation of honors paper.

Contact department for information to register for this course.

CMSC411 **Computer Systems Architecture**

CMSC411 Computer Systems Architecture; (3 credits) Grade Method: REG. *Prerequisite: A grade of C or better in (CMSC311 or ENEE350) and a grade of C or better in CMSC330; and permission of department; or CMSC graduate student.* Input/output processors and techniques. Intra-system communication, buses, caches. Addressing and memory hierarchies. Microprogramming, parallelism, and pipelining.

0101	Alan Sussman TuTh 12:30pm - 1:45pm	Seats (Total: 30) CSI 1121

CMSC412 **Operating Systems**

CMSC412 Operating Systems; (4 credits) Grade Method: REG. CORE Capstone (CS) Course.
Prerequisites: A grade of C or better in (CMSC311 or ENEE350) and a grade of C or better in CMSC330; and permission of department; or CMSC graduate student. An introduction to batch systems, spooling systems, and third-generation multiprogramming systems. Description of the parts of an operating system in terms of function, structure, and implementation. Basic resource allocation policies.

0101	Peter Keleher TuTh 9:30am - 10:45am MW 9:00am - 9:50am	Seats (Total: 18) CSI 2117 CSI 1121	 Discussion
0102	Peter Keleher TuTh 9:30am - 10:45am MW 10:00am - 10:50am	Seats (Total: 18) CSI 2117 CSI 1121	 Discussion

CMSC414 **Computer and Network Security**

CMSC414 Computer and Network Security; (3 credits) Grade Method: REG.
Prerequisite: A grade of C or better in (CMSC311 or ENEE350) and a grade of C or better in CMSC330; and permission of department; or CMSC graduate student. An introduction to the topic of security in the context of computer systems and networks. Identify, analyze, and solve network-related security problems in computer systems. Fundamentals of number theory, authentication, and encryption technologies, as well as the practical problems that have to be solved in order to make those technologies workable in a networked environment, particularly in the wide-area Internet environment.

0101	A.U. Shankar TuTh 2:00pm - 3:15pm	Seats (Total: 37) CSI 1121	

CMSC417 **Computer Networks**

CMSC417 Computer Networks; (3 credits) Grade Method: REG.
Prerequisite: A grade of C or better in CMSC351, a grade of C or better in (CMSC311 or ENEE350), and a grade of C or better in CMSC330; and permission of department; or CMSC graduate student. Computer networks and architectures. The OSI model including discussion and examples of various network layers. A general introduction to existing network protocols. Communication protocol specification, analysis, and testing.

0101	Samrat Bhattacharjee	Seats (Total: 35)
	TuTh 11:00am - 12:15pm	CSI 1121

CMSC420 **Data Structures**

CMSC420 Data Structures; (3 credits) Grade Method: REG.
Prerequisites: A grade of C or better in CMSC330 and in CMSC351; and permission of department; or CMSC graduate student. Description, properties, and storage allocation of data structures including lists and trees. Algorithms for manipulating structures. Applications from areas such as data processing, information retrieval, symbol manipulation, and operating systems.

0101	Michelle Hugue	Seats (Total: 66)
	TuTh 3:30pm - 4:45pm	CSI 1115

CMSC424 **Database Design**

CMSC424 Database Design; (3 credits) Grade Method: REG. CORE Capstone (CS) Course.
Prerequisite: CMSC420 with a grade of C or better; and permission of department; or CMSC graduate student. Motivation for the database approach as a mechanism for modeling the real world. Review of the three popular data models: relational, network, and hierarchical. Comparison of permissible structures, integrity constraints, storage strategies, and query facilities. Theory of database design logic.

0101	Nicholas Roussopoulos	Seats (Total: 35)
	TuTh 12:30pm - 1:45pm	CSI 1122

CMSC427 **Computer Graphics**

CMSC427 Computer Graphics; (3 credits) Grade Method: REG.
Prerequisites: MATH240; and a grade of C or better in CMSC420; and permission of department; or CMSC graduate student. An introduction to the principles of computer graphics. Includes an introduction to graphics displays and systems. Introduction to the mathematics of affine and projective transformations, perspective, curve and surface modeling, algorithms for hidden-surface removal, color models, methods for modeling illumination, shading, and reflection.

0101	Amitabh Varshney	Seats (Total: 30)
	TuTh 11:00am - 12:15pm	CSI 1122

CMSC430 **Theory of Language Translation**

CMSC430 Theory of Language Translation; (3 credits) Grade Method: REG.
Prerequisites: a grade of C or better in CMSC330; and permission of department; or CMSC graduate student. Formal translation of programming languages, program syntax and semantics. Finite state recognizers and regular grammars. Context-free parsing techniques such as recursive descent, precedence, LL(k) and LR(k). Code generation, improvement, syntax-directed translation schema.

0101	Chau-Wen Tseng	Seats (Total: 30)
	TuTh 3:30pm - 4:45pm	CSI 3117

CMSC433 **Programming Language Technologies and Paradigms**

CMSC433 Programming Language Technologies and Paradigms; (3 credits)
Grade Method: REG.
Prerequisite: CMSC330; and permission of department; or CMSC graduate student.
Programming language technologies (e.g., object-oriented programming), their implementations and use in software design and implementation.

0101	Adam Porter	Seats (Total: 35)
	TuTh 2:00pm - 3:15pm	CSI 1122

CMSC434 **Introduction to Human-Computer Interaction**

CMSC434 Introduction to Human-Computer Interaction; (3 credits) Grade Method: REG.
Prerequisites: CMSC330 with a grade of C or better and PSYC100; and permission of department; or CMSC graduate student. Assess usability by quantitative and qualitative methods. Conduct task analyses, usability tests, expert reviews, and continuing assessments of working products by interviews, surveys, and logging. Apply design processes and guidelines to develop professional quality user interfaces. Build low-fidelity paper mockups, and a high-fidelity prototype using contemporary tools such as graphic editors and a graphical programming environment (eg: Visual Basic, Java).

0101	Ben Bederson	Seats (Total: 35)
	TuTh 3:30pm - 4:45pm	CSI 1122

CMSC435 **Software Engineering**

CMSC435 Software Engineering; (3 credits) Grade Method: REG. CORE Capstone (CS) Course.
Prerequisites: (CMSC412, CMSC417, CMSC420, CMSC430, or CMSC433) with a grade of C or better and permission of department; or CMSC graduate student. State-of-the-art techniques in software design and development. Laboratory experience in applying the techniques covered. Structured design, structured programming, top-down design and development, segmentation and modularization techniques, iterative enhancement, design and code inspection techniques, correctness, and chief-programmer teams. The development of a large software project.

0101	Marvin Zelkowitz	Seats (Total: 30)
	TuTh 11:00am - 12:15pm	CSI 2120

CMSC451 **Design and Analysis of Computer Algorithms**

CMSC451 Design and Analysis of Computer Algorithms; (3 credits) Grade Method: REG.
Prerequisite: a grade of C or better in CMSC351; and permission of department; or CMSC graduate student. Fundamental techniques for designing efficient computer algorithms, proving their correctness, and analyzing their complexity. General topics include sorting, selection, graph algorithms, and basic algorithm design paradigms (such as divide-and-conquer, dynamic programming and greedy algorithms), lower bounds and NP-completeness.

0101	Samir Khuller TuTh 9:30am - 10:45am	Seats (Total: 30) CSI 1122

CMSC452 **Elementary Theory of Computation**

CMSC452 Elementary Theory of Computation; (3 credits) Grade Method: REG. *Prerequisite: CMSC351 with a grade of C or better; and permission of department; or CMSC graduate student.* Alternative theoretical models of computation, types of automata, and their relations to formal grammars and languages.

0101	Clyde Kruskal TuTh 11:00am - 12:15pm	Seats (Total: 30) CSI 2107

CMSC456 **Cryptology**

CMSC456 Cryptology; (3 credits) Grade Method: REG.
Prerequisites: Any two 400-level MATH courses; or CMSC330 and CMSC351; and permission of department; or CMSC graduate student. Also offered as MATH456. Credit will be granted for only one of the following: CMSC456 or MATH456.
Importance in protecting data in communications between computers. The subject lies on the border between mathematics and computer science. Mathematical topics include number theory and probability, and computer science topics include complexity theory.

0101	Jeffrey Adams MWF 9:00am - 9:50am	Seats (Total: 30) MTH B0429
0201	Lawrence Washington TuTh 11:00am - 12:15pm	Seats (Total: 37) CSI 3117

CMSC460 **Computational Methods**

CMSC460 Computational Methods; (3 credits) Grade Method: REG. *Prerequisites: MATH240; and MATH241; and CMSC106 or CMSC114 or ENEE114; and permission of department; or CMSC graduate student. Also offered as AMSC460. Credit will be granted for only one of the following: AMSC/CMSC/MAPL460 or AMSC/CMSC/MAPL466.* Basic computational methods for interpolation, least squares, approximation, numerical quadrature, numerical solution of polynomial and transcendental equations, systems of linear equations and initial value problems for ordinary differential equations. Emphasis on methods and their computational properties rather than their analytic aspects. Intended primarily for students in the physical and engineering sciences.

0101	Jeffery Cooper TuTh 11:00am - 12:15pm	Seats (Total: 30) MTH 0105
0201	Harland Glaz TuTh 2:00pm - 3:15pm	Seats (Total: 30) MTH 0403

CMSC466 **Introduction to Numerical Analysis I**

CMSC466 Introduction to Numerical Analysis I; (3 credits) Grade Method: REG. *Prerequisites: MATH240; and MATH241; and CMSC106 or CMSC114 or ENEE114; and permission of department; or CMSC graduate student. Also offered as AMSC466. Credit will be granted for only one of the following: AMSC/CMSC/MAPL460 or AMSC/CMSC/MAPL466.* Floating point computations, direct methods for linear systems, interpolation, solution of nonlinear equations.

0101	Miguel Pauletti MWF 1:00pm - 1:50pm	Seats (Total: 30) MTH 0307

CMSC475 **Combinatorics and Graph Theory**

CMSC475 Combinatorics and Graph Theory; (3 credits) Grade Method: REG. *Prerequisites: MATH240 and MATH241; and permission of department; or CMSC graduate student. Also offered as MATH475.* General enumeration methods, difference equations, generating functions. Elements of graph theory, matrix representations of graphs, applications of graph theory to transport networks, matching theory and graphical algorithms.

0101	Dmitry Dolgopyat TuTh 12:30pm - 1:45pm	Seats (Total: 30) MTH 1313

CMSC498A **Selected Topics in Computer Science**

CMSC498A *(PermReq)* **Selected Topics in Computer Science; (1-3 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CMSC498P **Selected Topics in Computer Science; Industrial Practices Apprenticeship**

CMSC498P *(PermReq)* **Selected Topics in Computer Science: Industrial Practices Apprenticeship; (1 credit)** Grade Method: REG.
Co-requisite: CMSC435.

0101	James Purtilo Contact instructor or department for details.	Seats (Total: 30)

CMSC498Q **Selected Topics in Computer Science; Advanced Industrial Practices**

CMSC498Q *(PermReq)* **Selected Topics in Computer Science: Advanced Industrial Practices; (1-3 credits)** Grade Method: REG.

0101	James Purtilo Contact instructor or department for details.	Seats (Total: 10)

CMSC498Z **Selected Topics in Computer Science; Software Project Management**

CMSC498Z *(PermReq)* **Selected Topics in Computer Science: Software Project Management; (3 credits)** Grade Method: REG/P-F/AUD.

0101	James Purtilo Contact instructor or department for details.	Seats (Total: 30)

CMSC499A **Independent Undergraduate Research**

CMSC499A *(PermReq)* **Independent Undergraduate Research; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CMSC598 **Practical Training**

CMSC598 *(PermReq)* **Practical Training; (1 credit)** Grade Method: S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CMSC630 **Theory of Programming Languages**

CMSC630 Theory of Programming Languages; (3 credits) Grade Method: REG/AUD.
Prerequisite: CMSC 430. Contemporary topics in the theory of programming languages. Formal specification and program correctness. Axiomatic proof systems (both Floyd-Hoare and Dijkstra's predicate transformers), Mills' functional correctness approach, abstract data types (both abstract model and algebraic specifications), and Scott-style denotational semantics based on least fixed points.

0101	Walter Cleaveland	Seats (Total: 30)
	TuTh 3:30pm - 4:45pm	CSI 3118

CMSC631 **Program Analysis and Understanding**

CMSC631 Program Analysis and Understanding; (3 credits) Grade Method: REG/AUD.
Prerequisite: CMSC 430 or equivalent. Techniques for static analysis of source code and modern programming paradigms. Analysis techniques: data flow analysis, program dependence graphs, program slicing, abstract interpretation. The meaning of programs: denotational semantics, partial evaluation. Advanced treatment of abstraction mechanisms: polymorphic types, operation overloading, inheritance, object-oriented programming and ML-like programming languages.

0101	Jeffrey Foster	Seats (Total: 30)
	MW 3:30pm - 4:45pm	CSI 2120

CMSC661 **Scientific Computing II**

CMSC661 Scientific Computing II; (3 credits) Grade Method: REG. *Prerequisite: AMSC/CMSC/MAPL 460, AMSC/CMSC/MAPL 466, or knowledge of basic numerical analysis (linear equations, nonlinear equations, integration, interpolation) with permission of instructor. Knowledge of C or Fortran. Also offered as AMSC 661. Credit will be granted for only one of the following: AMSC, CMSC 661 or MAPL 661.* Fourier and wavelet transform methods, numerical methods for elliptic partial differential equations, numerical linear algebra for sparse matrices, Finite element methods, numerical methods for time dependent partial differential equations. Techniques for scientific computation with an introduction to the theory and software for each topic. Course is part of a two course sequence (660 and 661), but can be taken independently.

0101	Doron Levy	Seats (Total: 30)
	TuTh 12:30pm - 1:45pm	MTH 0409

CMSC664 **Advanced Scientific Computing II**

CMSC664 Advanced Scientific Computing II; (3 credits) Grade Method: REG. *Prerequisite: CMSC 663 and permission of instructor. Also offered as AMSC 664. Credit will be granted for only one of the following: AMSC 664, CMSC 664 or MAPL 664.* In the sequence CMSC 663, CMSC 664 students work on a year-long individual project to develop software for a scientific task in a high performance computing environment. Lectures will be given on code development and validation, parallel algorithms for partial differential equations, nonlinear systems, optimization.

0101	Radu Balan	Seats (Total: 25)
	TuTh 5:00pm - 6:15pm	MTH 1313

CMSC666 **Numerical Analysis I**

CMSC666 Numerical Analysis I; (3 credits) Grade Method: REG/AUD. *Prerequisites: AMSC/CMSC/MAPL 466; and MATH 410. Also offered as AMSC 666. Credit will be granted for only one of the following: AMSC 666, CMSC 666 or MAPL 666.* Iterative methods for linear systems, piecewise interpolation, eigenvalue problems, numerical integration.

0101	Peter Wolfe	Seats (Total: 30)
	MWF 9:00am - 9:50am	MTH 0106

CMSC667 **Numerical Analysis II**

CMSC667 Numerical Analysis II; (3 credits) Grade Method: REG/AUD. *Prerequisite: AMSC/CMSC/MAPL 666. Also offered as AMSC 667. Credit will be granted for only one of the following: AMSC 667, CMSC 667 or MAPL 667.* Nonlinear systems of equations, ordinary differential equations, boundary value problems.

0101	Tobias von Petersdorff	Seats (Total: 25)
	MWF 11:00am - 11:50am	MTH 1313

CMSC711 **Computer Networks**

CMSC711 Computer Networks; (3 credits) Grade Method: REG/AUD. *Prerequisite: CMSC 412 or equivalent.* Priciples, design, and performance evaluation of computer networks. Network architectures including the ISO model and local area networks (LANs). Communication protocols and network topology.

0101	Neil Spring	Seats (Total: 30)
	TuTh 11:00am - 12:15pm	CSI 3120

CMSC724 **Database Management Systems**

CMSC724 Database Management Systems; (3 credits) Grade Method: REG/AUD. *Prerequisite: CMSC 624 or permission of instructor.* Theoretical and implementation issues in advanced database systems. Topics include distributed databases, parallel databases, database client-server architectures, multimedia access methods, advanced query optimization techniques, data semantics and models, object-oriented databases, and deductive and expert database systems.

0101	Amol Deshpande	Seats (Total: 30)
	TuTh 2:00pm - 3:15pm	CSI 3120

CMSC751 **Parallel Algorithms**

CMSC751 Parallel Algorithms; (3 credits) Grade Method: REG/AUD.
Prerequisite: CMSC 451 or equivalent. A presentation of the theory of parallel computers and parallel processing. Models of parallel processing and the relationships between these models. Techniques for the design and analysis of efficient parallel algorithms including parallel prefix, searching, sorting, graph problems, and algebraic problems. Theoretical limits of parallelism, inherently sequential problems, and the theory of P-completeness. Also offered as ENEE759K.

0101	Uzi Vishkin	Seats (Total: 30)
	TuTh 2:00pm - 3:15pm	ITV 1100

CMSC773 **Computational Linguistics II**

CMSC773 Computational Linguistics II; (3 credits) Grade Method: REG/AUD.
Prerequisite: CMSC723 or LING723; or permission of instructor. May only receive PhD Comp. credit for CMSC723 or CMSC823, not both. Also offered as LING773. Not open to students who have completed LING647. Formerly CMSC828R. Natural language processing with a focus on corpus-based statistical techniques. Topics inlcude: stochastic language modeling, smoothing, noisy channel models, probabilistic grammars and parsing; lexical acquisition, similarity-based methods, word sense disambiguation, statistical methods in NLP applications; system evaluation.

0101	Philip Resnik	Seats (Total: 20)
	W 1:30pm - 4:00pm	CSI 1122

CMSC798 **Graduate Seminar in Computer Science**

CMSC798 *(PermReq)* **Graduate Seminar in Computer Science; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CMSC798A **Graduate Seminar in Computer Science**

CMSC798A *(PermReq)* **Graduate Seminar in Computer Science; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
CMSC majors only. Other majors require permission of department.

Contact department for information to register for this course.

CMSC799 **Master's Thesis Research**

CMSC799 *(PermReq)* **Master's Thesis Research; (1-6 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CMSC818A **Advanced Topics in Computer Systems**

CMSC818A *(PermReq)* **Advanced Topics in Computer Systems; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CMSC818G **Advanced Topics in Computer Systems; Information-Centric Design of Systems**

CMSC818G Advanced Topics in Computer Systems: Information-Centric Design of Systems; (3 credits) Grade Method: REG/AUD.

0101	Ashok Agrawala	Seats (Total: 20)
	TuTh 9:30am - 10:45am	CSI 3118

CMSC818K **Advanced Topics in Computer Systems; Distributed Systems**

CMSC818K Advanced Topics in Computer Systems: Distributed Systems; (3 credits) Grade Method: REG/AUD.

0101	Peter Keleher	Seats (Total: 20)
	TuTh 11:00am - 12:15pm	CSI 2118

CMSC828A **Advanced Topics in Information Processing**

CMSC828A *(PermReq)* **Advanced Topics in Information Processing; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CMSC828E **Advanced Topics in Information Processing; Scientific Computing on Graphic Processors**

CMSC828E Advanced Topics in Information Processing: Scientific Computing on Graphic Processors; (3 credits) Grade Method: REG/AUD.

0101	Ramani Duraiswami	Seats (Total: 30)
	TuTh 12:30pm - 1:45pm	CSI 3120

CMSC828J **Advanced Topics in Information Processing; Approaches to Representing and Recognizing Objects**

CMSC828J Advanced Topics in Information Processing: Approaches to Representing and Recognizing Objects; (3 credits) Grade Method: REG/AUD. Prerequisite: permission of instructor.

0101	David Jacobs	Seats (Total: 30)
	W 3:00pm - 6:00pm	CSI 3120

CMSC828N **Advanced Topics in Information Processing; Game Theory**

CMSC828N Advanced Topics in Information Processing: Game Theory; (3 credits) Grade Method: REG/AUD.

0101	Dana Nau	Seats (Total: 30)
	TuTh 3:30pm - 4:45pm	CSI 3120

CMSC828Y **Advanced Topics in Information Processing; Human Action Modeling**

CMSC828Y Advanced Topics in Information Processing: Human Action Modeling; (3 credits) Grade Method: REG/AUD.

0101	John Aloimonos	Seats (Total: 30)
	M 3:00pm - 6:00pm	CSI 3120

CMSC838A **Advanced Topics in Programming Languages**

CMSC838A *(PermReq)* **Advanced Topics in Programming Languages; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CMSC858A **Advanced Topics in Theory of Computing**

CMSC858A *(PermReq)* **Advanced Topics in Theory of Computing; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CMSC858C **Advanced Topics in Theory of Computing; The Probablistic Method**

CMSC858C Advanced Topics in Theory of Computing: The Probablistic Method; (3 credits) Grade Method: REG/AUD.

0101	Aravind Srinivasan	Seats (Total: 30)
	TuTh 11:00am - 12:15pm	CSI 3118

CMSC858L **Advanced Topics in Theory of Computing; Graphs and Networks in Computational Biology**

CMSC858L Advanced Topics in Theory of Computing: Graphs and Networks in Computational Biology; (3 credits) Grade Method: REG/AUD.

0101	Carleton Kingsford	Seats (Total: 30)
	TuTh 9:30am - 10:45am	CSI 2118

CMSC878A **Advanced Topics in Numerical Methods**

CMSC878A *(PermReq)* **Advanced Topics in Numerical Methods; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CMSC898 **Pre-Candidacy Research**

CMSC898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CMSC899 **Doctoral Dissertation Research**

CMSC899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

COMM Communication Spring 2009

COMM107 **Oral Communication: Principles and Practices**

COMM107 Oral Communication: Principles and Practices; (3 credits) Grade Method: REG/P-F.
Not open to students who have completed COMM100. Credit will be granted for only one of the following: COMM100 or COMM107. A study of and practice in oral communication, including principles of interviewing, group discussion, listening, informative briefings, and persuasive speeches.

0101	Beth Kuch MWF 9:00am - 9:50am	Seats (Total: 24) PLS 1184
0201	Elizabeth Gardner MWF 8:00am - 8:50am	Seats (Total: 24) PLS 1180
0301	Beth Kuch MWF 8:00am - 8:50am	Seats (Total: 24) PLS 1184
0401	Elizabeth Gardner MWF 9:00am - 9:50am	Seats (Total: 24) PLS 1180
0501	Gerry Strumpf MWF 9:00am - 9:50am	Seats (Total: 24) PLS 1176
0601	Lin Zhu MWF 10:00am - 10:50am	Seats (Total: 24) PLS 1176
0701	Ying Wei MWF 10:00am - 10:50am	Seats (Total: 24) PLS 1180
0801	Lin Zhu TuTh 11:00am - 12:15pm	Seats (Total: 24) PLS 1180
0901	Ling Na MWF 10:00am - 10:50am	Seats (Total: 24) PLS 1184
1001	Ying Wei MWF 11:00am - 11:50am	Seats (Total: 24) PLS 1180

1201	Ling Na MWF 11:00am - 11:50am	Seats (Total: 24) PLS 1184
1301	Jarim Kim TuTh 8:00am - 9:15am	Seats (Total: 24) PLS 1180
1501	Sarah Evans MWF 1:00pm - 1:50pm	Seats (Total: 24) PLS 1184
1601	Ryan Merkel MWF 2:00pm - 2:50pm	Seats (Total: 24) PLS 1180
1701	Robin Scholz TuTh 8:00am - 9:15am	Seats (Total: 24) PLS 1184
1801	Deepa Anagondahalli TuTh 12:30pm - 1:45pm	Seats (Total: 24) PLS 1164
1901	Jingwei Yu MWF 2:00pm - 2:50pm	Seats (Total: 24) SKN 0104
2001	Jarim Kim TuTh 9:30am - 10:45am	Seats (Total: 24) PLS 1180
2101	Lin Zhu MWF 11:00am - 11:50am	Seats (Total: 24) PLS 1176
2201	Hyunhee Kim TuTh 11:00am - 12:15pm	Seats (Total: 24) PLS 1176
2301	Doo Lee TuTh 11:00am - 12:15pm	Seats (Total: 24) PLS 1184
2401	Teng Zhang MWF 9:00am - 9:50am	Seats (Total: 13) SKN 0104
2501	Rowena Kirby-Straker TuTh 12:30pm - 1:45pm	Seats (Total: 24) PLS 1162
2701	Jingwei Yu MWF 1:00pm - 1:50pm	Seats (Total: 24) SKN 0104

2901	Doo Lee TuTh 12:30pm - 1:45pm	Seats (Total: 24) PLS 1184
3001	Robin Scholz TuTh 9:30am - 10:45am	Seats (Total: 24) PLS 1184
3201	Rowena Kirby-Straker TuTh 2:00pm - 3:15pm	Seats (Total: 24) PLS 1162
3301	Deepa Anagondahalli TuTh 2:00pm - 3:15pm	Seats (Total: 24) PLS 1164
3501	Brian Keenan MWF 1:00pm - 1:50pm	Seats (Total: 24) PLS 1176
3601	Leysan Khakimova TuTh 9:30am - 10:45am	Seats (Total: 24) PLS 1176
3701	Rowena Briones MWF 2:00pm - 2:50pm	Seats (Total: 24) PLS 1184
3801	Erica Lamm TuTh 8:00am - 9:15am	Seats (Total: 24) PLS 1176
3901	Lin Zhu TuTh 12:30pm - 1:45pm	Seats (Total: 24) PLS 1180
4001	Brian Keenan MWF 2:00pm - 2:50pm	Seats (Total: 24) PLS 1176

COMM107M **Oral Communication: Principles and Practices**

COMM107M Oral Communication: Principles and Practices; (3 credits) Grade Method: REG/P-F.
Not open to students who have completed COMM100. Credit will be granted for only one of the following: COMM100 or COMM107. Restricted to students in the Markets and Society program.

1401	Gerry Strumpf MWF 1:00pm - 1:50pm	Seats (Total: 0) PLS 1180

2401	Teng Zhang MWF 9:00am - 9:50am	Seats (Total: 0) SKN 0104
2601	Hyunhee Kim TuTh 12:30pm - 1:45pm	Seats (Total: 0) PLS 1176

COMM200 **Critical Thinking and Speaking**

COMM200 Critical Thinking and Speaking; (3 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course.
Theory and practice of persuasive discourse analysis and composition. Research techniques, logical and rhetorical conceptions of argument, and technical principles for persuading in public venues.

0101	Lindsey Fox TuTh 12:30pm - 1:45pm	Seats (Total: 25) CHE 2145
0201	Lindsey Fox TuTh 2:00pm - 3:15pm	Seats (Total: 25) CHE 2136
0301	Timothy Barney MWF 11:00am - 11:50am	Seats (Total: 25) PLS 1115
0401	Timothy Barney MWF 10:00am - 10:50am	Seats (Total: 25) PLS 1115

COMM230 **Argumentation and Debate**

COMM230 Argumentation and Debate; (3 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course.
A study of the fundamental principles of reasoning, analysis, and evidence preparation of debate briefs and presentation of standard academic debate.

0101	Stephen Underhill TuTh 8:00am - 9:15am	Seats (Total: 24) PLS 1164
0201	Abbe Depretis TuTh 12:30pm - 1:45pm	Seats (Total: 24) ARM 0103

0301	Abbe Depretis TuTh 11:00am - 12:15pm	Seats (Total: 24) ARM 0103	
0401	Stephen Underhill TuTh 9:30am - 10:45am	Seats (Total: 24) PLS 1164	

COMM231 **News Writing and Reporting for Public Relations**

COMM231 *(PermReq)* **News Writing and Reporting for Public Relations; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: Limited to COMM majors with sophomore and junior standing, or permission of department. Credit will be granted for only one of the following: JOUR201, JOUR201P, JOUR231, or COMM231. Formerly JOUR231. Introduction to writing and researching news and information media for public relations; laboratory in news-gathering tools and writing techniques for public relations.

0101	Richard Toth M 10:00am - 11:50am W 10:00am - 11:50am	Seats (Total: 18) EGR 3140 EGR 3140	 Lab
0201	Richard Toth M 12:00pm - 1:50pm W 12:00pm - 1:50pm	Seats (Total: 18) EGR 3140 EGR 3140	 Lab
0301	Richard Toth M 3:00pm - 4:50pm W 3:00pm - 4:50pm	Seats (Total: 18) PLS 1129 PLS 1129	 Lab

COMM232 **News Editing for Public Relations**

COMM232 *(PermReq)* **News Editing for Public Relations; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: Grade of C or better in COMM231 or equivalent and permission of department. Limited to COMM majors. Credit will be granted for only one of the following: JOUR202, JOUR202P, JOUR232, or COMM232. Formerly JOUR232. Copy editing, graphic principles and processes, news and information technologies for public relations.

0101	Katie Place Tu 1:00pm - 2:50pm Th 1:00pm - 2:50pm	Seats (Total: 18) EGR 3140 EGR 3140	 Lab
0201	Katie Place Tu 3:00pm - 4:50pm Th 3:00pm - 4:50pm	Seats (Total: 18) EGR 3140 EGR 3140	 Lab

COMM250 **Introduction to Communication Inquiry**

COMM250 Introduction to Communication Inquiry; (3 credits) Grade Method: REG/P-F/AUD.

An introduction to the field of communication. Definitions, models, and contexts of communication; rhetorical theory and rhetorical criticism of discourse.

0101	Brecken Swartz MW 11:00am - 11:50am F 9:00am - 9:50am	Seats (Total: 25) SKN 0200 KEY 0125	 Discussion
0102	Brecken Swartz MW 11:00am - 11:50am F 10:00am - 10:50am	Seats (Total: 25) SKN 0200 KEY 0125	 Discussion
0103	Brecken Swartz MW 11:00am - 11:50am F 11:00am - 11:50am	Seats (Total: 25) SKN 0200 KEY 0125	 Discussion
0104	Brecken Swartz MW 11:00am - 11:50am F 9:00am - 9:50am	Seats (Total: 25) SKN 0200 HBK 0108	 Discussion
0105	Brecken Swartz MW 11:00am - 11:50am F 10:00am - 10:50am	Seats (Total: 25) SKN 0200 HBK 0108	 Discussion
0106	Brecken Swartz MW 11:00am - 11:50am F 11:00am - 11:50am	Seats (Total: 25) SKN 0200 HBK 0105	 Discussion

0107	Brecken Swartz MW 11:00am - 11:50am F 9:00am - 9:50am	Seats (Total: 25) SKN 0200 CHE 2136	Discussion
0108	Brecken Swartz MW 11:00am - 11:50am F 10:00am - 10:50am	Seats (Total: 25) SKN 0200 CHE 2136	Discussion
0109	Brecken Swartz MW 11:00am - 11:50am F 11:00am - 11:50am	Seats (Total: 25) SKN 0200 CHE 2136	Discussion

COMM288 **Communication Internship**

COMM288 *(PermReq)* **Communication Internship; (1-6 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

COMM324 **Communication and Gender**

COMM324 Communication and Gender; (3 credits) Grade Method: REG/P-F/AUD. CORE Diversity (D) Course.
The creation of images of male and female, and masculine and feminine, through communication, the differences in male and female communication behaviors and styles, and the implications of those images and styles for male-female transactions.

0101	Brecken Swartz TuTh 3:30pm - 4:45pm	Seats (Total: 200) KEY 0106	
SG91	Nneka Ifeoma Ofulue MW 11:00am - 12:15pm *Section is restricted to Shady Grove COMM students only.*	Seats (Total: 40) SG3 2206	

COMM330 **Argumentation and Public Policy**

COMM330 Argumentation and Public Policy; (3 credits) Grade Method: REG/P-F/AUD.
Contemporary theories of argumentation with special emphasis on methods of formulating and critiquing public policy argument.

0101	Benjamin Krueger TuTh 2:00pm - 3:15pm	Seats (Total: 35) KEY 0126	
0201	Benjamin Krueger TuTh 3:30pm - 4:45pm	Seats (Total: 35) KEY 0126	

COMM350 **Public Relations Theory**

COMM350 Public Relations Theory; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: Grade C or better in JOUR201, JOUR231, COMM231 or COMM250; or permission of department. For COMM majors only. Not open to students who have completed JOUR330. Credit will be granted for only one of the following: COMM350 or COMM430 or JOUR330 or JOUR530. Formerly JOUR330.* The historical development and contemporary status of public relations in business, government, associations and other organizations. Application of communication theory and social science methods to the research, planning, communication and evaluation aspects of the public relations process.

0101	Sahar Khamis TuTh 11:00am - 12:15pm	Seats (Total: 35) SKN 1115	
0201	Sahar Khamis TuTh 12:30pm - 1:45pm	Seats (Total: 35) WDS 1114	

COMM351 **Public Relations Techniques**

COMM351 *(PermReq)* **Public Relations Techniques; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: A grade C or better in JOUR202, JOUR232 or COMM232; and COMM350. For COMM majors only. Not open to students who have completed JOUR331. Credit will be granted for only one of the following: COMM351 or JOUR331. Formerly JOUR331. The techniques of public relations, including news releases, publications and printed materials, audio-visual techniques, speeches and special events. Application of these techniques in laboratory and field projects.

0101	Lucinda Austin M 2:00pm - 3:15pm W 2:00pm - 3:15pm	Seats (Total: 18) EGR 3140 EGR 3140	 Lab

0201	Lucinda Austin	Seats (Total: 18)	
	M 3:30pm - 4:45pm	EGR 3140	
	W 3:30pm - 4:45pm	EGR 3140	Lab

COMM352 **Specialized Writing in Public Relations**

COMM352 *(PermReq)* **Specialized Writing in Public Relations; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: A grade of C or better in COMM351. For COMM majors only. Not open to students who have completed JOUR332. Credit will be granted for only one of the following: COMM352 or JOUR332. Formerly JOUR332. Public Relations writing for science, technology, health, medicine, corporate finance, educational policy, law and government in broadcast and technical media, as well as newspapers, magazines, proposals, speeches and correspondence.

0101	Abbey Levenshus	Seats (Total: 18)	
	Tu 11:00am - 12:15pm	EGR 3140	
	Th 11:00am - 12:15pm	EGR 3140	Lab
0201	Brian Smith	Seats (Total: 18)	
	Tu 8:00am - 9:15am	EGR 3140	
	Th 8:00am - 9:15am	EGR 3140	Lab
0301	Brian Smith	Seats (Total: 18)	
	Tu 9:30am - 10:45am	EGR 3140	
	Th 9:30am - 10:45am	EGR 3140	Lab

COMM360 **The Rhetoric of Black America**

COMM360 The Rhetoric of Black America; (3 credits) Grade Method: REG/P-F/AUD. CORE Diversity (D) Course.
An historical-critical survey of the rhetoric of Black Americans from the colonial period to the present.

0101	Nneka Ifeoma Ofulue	Seats (Total: 35)	
	MW 3:30pm - 4:45pm	TYD 2111	

COMM386 **Experiential Learning**

COMM386 *(PermReq)* **Experiential Learning; (3-6 credits)** Grade Method: REG/P-F.
45 hours of supervised internship per credit hour. Only 3 credits may be used to fulfill the requirements for the Communication major. Prerequisite: permission of department. Junior standing. For COMM majors only. Supervised internship experience with communication professionals. Relation of academic training to professional experience.

0101	Julie Gowin Contact instructor or department for details.	Seats (Total: 80)
SG91	Julie Gowin Contact instructor or department for details.	Seats (Total: 20)

COMM388 **Communication Practicum**

COMM388 *(PermReq)* **Communication Practicum; (1-3 credits)** Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

COMM398 **Selected Topics in Communication**

COMM398 *(PermReq)* **Selected Topics in Communication; (3 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

COMM398C **Selected Topics in Communication; Crisis Communication**

COMM398C Selected Topics in Communication: Crisis Communication; (3 credits) Grade Method: REG.

0101	Judith Tenney TuTh 5:00pm - 6:15pm	Seats (Total: 60) SKN 0104
SG91	Judith Tenney TuTh 11:00am - 12:15pm	Seats (Total: 40) SG3 2206

COMM398E **Selected Topics in Communication; Health Communication**

COMM398E Selected Topics in Communication: Health Communication; (3 credits) Grade Method: REG.
For COMM Majors only.

0101	Xiaoli Nan TuTh 3:30pm - 4:45pm	Seats (Total: 35) TYD 0111

COMM398J **Selected Topics in Communication; Introduction to Documentary Production**

COMM398J Selected Topics in Communication: Introduction to Documentary Production; (3 credits) Grade Method: REG.

SG91	Arthur Herbig W 2:00pm - 4:50pm *Section is restricted to Shady Grove COMM students only.*	Seats (Total: 15) SG3 2203

COMM398P **Selected Topics in Communication; Popular Culture**

COMM398P Selected Topics in Communication: Popular Culture; (3 credits) Grade Method: REG.
For COMM Majors only.

SG91	Arthur Herbig W 6:00pm - 8:50pm *Section is restricted to Shady Grove COMM students only.*	Seats (Total: 40) SG3 2226

COMM398V **Selected Topics in Communication; Visual Communication**

COMM398V Selected Topics in Communication: Visual Communication; (3 credits) Grade Method: REG.
For COMM majors only.

0101	Robert Coleman TuTh 5:00pm - 6:50pm	Seats (Total: 18) EGR 3140
0201	Robert Coleman TuTh 7:00pm - 8:50pm	Seats (Total: 18) EGR 3140

COMM398W **Selected Topics in Communication; Face to Face Arguing**

COMM398W Selected Topics in Communication: Face to Face Arguing; (3 credits) Grade Method: REG.

0101	Dale Hample MW 2:00pm - 3:15pm	Seats (Total: 35) CHE 2136	

COMM399 **Honors Thesis**

COMM399 Honors Thesis; (3 credits) Grade Method: REG/P-F/AUD.

0101	Leah Waks Contact instructor or department for details.	Seats (Total: 10)	

COMM400 **Research Methods in Communication**

COMM400 Research Methods in Communication; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: COMM250 and an introductory course in statistics. For COMM majors only. Philosophy of scientific method; role of theory; research ethics; empirical research methods (measurement, sampling, design, analysis). Attendance on the first day of class is mandatory.

0101	Monique Turner MW 2:00pm - 2:50pm F 9:00am - 9:50am	Seats (Total: 20) MMH 1400 VMH 2203	Discussion
0102	Monique Turner MW 2:00pm - 2:50pm F 10:00am - 10:50am	Seats (Total: 20) MMH 1400 VMH 2203	Discussion
0103	Monique Turner MW 2:00pm - 2:50pm F 11:00am - 11:50am	Seats (Total: 20) MMH 1400 VMH 2203	Discussion
0104	Monique Turner MW 2:00pm - 2:50pm F 9:00am - 9:50am	Seats (Total: 20) MMH 1400 EGR 3140	Discussion
0105	Monique Turner MW 2:00pm - 2:50pm F 10:00am - 10:50am	Seats (Total: 20) MMH 1400 EGR 3140	Discussion

0106	Monique Turner MW 2:00pm - 2:50pm F 11:00am - 11:50am	Seats (Total: 20) MMH 1400 EGR 3140	Discussion
0108	Monique Turner MW 2:00pm - 2:50pm F 10:00am - 10:50am	Seats (Total: 20) MMH 1400 CSS 1410	Discussion
0109	Monique Turner MW 2:00pm - 2:50pm F 11:00am - 11:50am	Seats (Total: 20) MMH 1400 CSS 1410	Discussion
SG91	Charles Pavitt MW 12:30pm - 1:45pm *Section Restricted to Shady Grove COMM Majors only.*	Seats (Total: 40) SG3 2206	

COMM401 **Interpreting Strategic Discourse**

COMM401 Interpreting Strategic Discourse; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: COMM250. For COMM majors only. Principles and approaches for practical analysis of discourse designed to shape audience opinion.

0401	Kristjana Maddux TuTh 2:00pm - 3:15pm	Seats (Total: 120) CHM 1402	
SG91	James Klumpp TuTh 12:30pm - 1:45pm *Section is restricted to Shady Grove COMM students only.*	Seats (Total: 40) SG3 3206	

COMM402 **Communication Theory and Process**

COMM402 Communication Theory and Process; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: COMM250. For COMM majors only. Philosophical and conceptual analysis of communication theories.

0101	Dale Hample MW 12:00pm - 12:50pm M 9:00am - 9:50am	Seats (Total: 20) JMZ 0220 SKN 1115	Discussion

0102	Dale Hample MW 12:00pm - 12:50pm M 10:00am - 10:50am	Seats (Total: 20) JMZ 0220 SKN 1115	Discussion
0103	Dale Hample MW 12:00pm - 12:50pm M 11:00am - 11:50am	Seats (Total: 20) JMZ 0220 SKN 1115	Discussion
0104	Dale Hample MW 12:00pm - 12:50pm M 9:00am - 9:50am	Seats (Total: 20) JMZ 0220 PLS 1158	Discussion
0105	Dale Hample MW 12:00pm - 12:50pm M 10:00am - 10:50am	Seats (Total: 20) JMZ 0220 PLS 1158	Discussion
0106	Dale Hample MW 12:00pm - 12:50pm M 11:00am - 11:50am	Seats (Total: 20) JMZ 0220 PLS 1158	Discussion

COMM420 **Theories of Group Discussion**

COMM420 Theories of Group Discussion; (3 credits) Grade Method: REG/P-F/AUD.
Current theory, research and techniques regarding small group process, group dynamics, leadership and decision-making.

0101	Torsten Reimer TuTh 9:30am - 10:45am	Seats (Total: 35) JMP 2202

COMM422 **Communication Management**

COMM422 Communication Management; (3 credits) Grade Method: REG/P-F/AUD.
Communication policies, plans, channels, and practices in the management of the communication function in organizations.

0101	Andrew Wolvin TuTh 11:00am - 12:15pm	Seats (Total: 35) SKN 0104

COMM424 **Communication in Complex Organizations**

COMM424 Communication in Complex Organizations; (3 credits) Grade Method: REG/P-F/AUD.
Structure and function of communication within organizations: organizational climate and culture, information flow, networks and role relationships.

0101	Meina Liu MW 2:00pm - 3:15pm	Seats (Total: 35) PLS 1111
0201	Judith Tenney TuTh 3:30pm - 4:45pm	Seats (Total: 35) KEY 1117

COMM425 **Negotiation and Conflict Management**

COMM425 Negotiation and Conflict Management; (3 credits) Grade Method: REG/P-F/AUD.
Role of communication in shaping negotiation and conflict processes and outcomes.

0101	Deborah Cai MW 3:30pm - 4:45pm	Seats (Total: 35) BPS 0283

COMM451 **Renaissance & Modern Rhetoric Theory**

COMM451 Renaissance & Modern Rhetoric Theory; (3 credits) Grade Method: REG/P-F/AUD.
A survey of rhetorical theory in the renaissance and modern periods. Emphasis is placed on the theoretical trends that dominate rhetorical thinking during both periods--especially in Great Britain. Authors include Wilson, Sherry, Rainolde, Day, Hyperius, Cox, Ramus, Talon, Bacon, Pascal, Fenelon, Sheridan, Campbell, Blair, and Whately.

0101	Robert Gaines MW 3:30pm - 4:45pm	Seats (Total: 35) MMH 0108

COMM454 **Rhetoric of the 1960s**

COMM454 Rhetoric of the 1960s; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: COMM401 or permission of department. Not open to students who have completed COMM453 (Spring 2003). Study of key rhetoric of the 1960s. Treats rhetoric of relevant Presidents and several protest movements including civil rights, anti-war, and women's liberation. Contrasts traditional modes of argument with alternative rhetorical forms.

0101	Mari Tonn	Seats (Total: 35)
	MW 2:00pm - 3:15pm	TYD 0111

COMM455 **Speechwriting**

COMM455 Speechwriting; (3 credits) Grade Method: REG/P-F/AUD.
The study of message strategies in order to research and develop effective speech texts appropriate to speakers and their audiences in various public contexts.

0101	Trevor Parry-Giles	Seats (Total: 35)
	TuTh 3:30pm - 4:45pm	HBK 0115

COMM458P **Seminar in Political Communication; Political Advertising and Campaign 2008**

COMM458P Seminar in Political Communication: Political Advertising and Campaign 2008; (3 credits) Grade Method: REG/P-F/AUD.

0101	Trevor Parry-Giles	Seats (Total: 35)
	TuTh 12:30pm - 1:45pm	HBK 0115

COMM469D **The Discourse of Social Movements; Woman's Rights in the United States**

COMM469D The Discourse of Social Movements: Woman's Rights in the United States; (3 credits) Grade Method: REG/P-F/AUD.

0101	Kristjana Maddux	Seats (Total: 35)
	TuTh 9:30am - 10:45am	CSI 2120

COMM470 **Listening**

COMM470 Listening; (3 credits) Grade Method: REG/P-F/AUD.
The principles of listening behavior.

0101	Andrew Wolvin TuTh 9:30am - 10:45am	Seats (Total: 35) SKN 0104	

COMM475 **Persuasion**

COMM475 Persuasion; (3 credits) Grade Method: REG/P-F/AUD.
Bases of persuasion, with emphasis on recent experimental developments in persuasion.

SG91	Xiaoli Nan M 2:00pm - 4:50pm *Section is restricted to Shady Grove COMM students only.*	Seats (Total: 40) SG3 2226	

COMM476 **Language, Communication, and Action**

COMM476 Language, Communication, and Action; (3 credits) Grade Method: REG/P-F/AUD.
The nature of communication as symbolic action. Topics include language, meaning, intention, understanding, and consequences of communication.

0101	Robert Gaines MW 2:00pm - 3:15pm	Seats (Total: 35) MMH 0108	

COMM482 **Intercultural Communication**

COMM482 Intercultural Communication; (3 credits) Grade Method: REG/P-F/AUD.
CORE Diversity (D) Course.
The major variables of communication in an intercultural context: cultural, racial and national differences; stereotypes; values; cultural assumptions; and verbal and nonverbal channels.

0101	Deborah Cai MW 1:00pm - 1:50pm M 8:00am - 8:50am	Seats (Total: 20) SHM 2102 SKN 1112	 Discussion
0102	Deborah Cai MW 1:00pm - 1:50pm M 9:00am - 9:50am	Seats (Total: 20) SHM 2102 SKN 1112	 Discussion

0103	Deborah Cai MW 1:00pm - 1:50pm M 10:00am - 10:50am	Seats (Total: 20) SHM 2102 SKN 1112	Discussion
0104	Deborah Cai MW 1:00pm - 1:50pm M 11:00am - 11:50am	Seats (Total: 20) SHM 2102 TYD 2108	Discussion
0105	Deborah Cai MW 1:00pm - 1:50pm M 9:00am - 9:50am	Seats (Total: 20) SHM 2102 TYD 1108	Discussion
0106	Deborah Cai MW 1:00pm - 1:50pm M 10:00am - 10:50am	Seats (Total: 20) SHM 2102 TYD 1108	Discussion

COMM483 **Senior Seminar in Public Relations**

COMM483 *(PermReq)* **Senior Seminar in Public Relations; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: COMM351 and COMM400. Not open to students who have completed JOUR483. Credit will be granted for only one of the following: COMM483 or JOUR483. Formerly JOUR483. Integration of theory, techniques and research methods into the planning and execution of public relations campaigns for specific organizations. Analysis of research on the case studies of public relations.

0101	Susan Simon TuTh 12:30pm - 1:45pm	Seats (Total: 20) EGR 3114	
0201	Susan Simon TuTh 3:30pm - 4:45pm	Seats (Total: 20) PLS 1162	
0301	Susan Simon TuTh 8:00am - 9:15am	Seats (Total: 20) SKN 1115	

COMM488 **Communication Portfolio Project**

COMM488 Communication Portfolio Project; (1 credit) Grade Method: REG.

0101	Robert Gaines	Seats (Total: 30)
	Contact instructor or department for details.	

COMM489 **Topical Research**

COMM489 *(PermReq)* **Topical Research; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

COMM498B **Seminar; Bateman Competition**

COMM498B *(PermReq)* **Seminar: Bateman Competition; (3 credits)** Grade Method: REG/P-F/AUD.

0101	Richard Toth, Leah Waks	Seats (Total: 20)
	Contact instructor or department for details.	

COMM498R **Seminar; Risk Communication**

COMM498R Seminar: Risk Communication; (3 credits) Grade Method: REG/P-F/AUD.

0101	Monique Turner	Seats (Total: 35)
	MW 3:30pm - 4:45pm	PLS 1119

COMM498V **Seminar; Advanced Visual Communication**

COMM498V Seminar: Advanced Visual Communication; (3 credits) Grade Method: REG/P-F/AUD.

SG91	Robert Coleman	Seats (Total: 20)
	TuTh 9:00am - 10:45am	Location: TBA
	Section is restricted to Shady Grove COMM students only.	

COMM600 **Empirical Research in Communication**

COMM600 Empirical Research in Communication; (3 credits) Grade Method: REG/AUD.
Formerly SPCH600.

0101	Torsten Reimer	Seats (Total: 15)
	Tu 3:30pm - 6:30pm	SKN 2127

COMM602 **Communication Theory**

COMM602 Communication Theory; (3 credits) Grade Method: REG/AUD.
For COMM majors only. Fundamental concepts, approaches, and problems in communication theory.

0101	Edward Fink	Seats (Total: 15)
	W 3:30pm - 6:30pm	SKN 2127

COMM625 **Negotiation**

COMM625 Negotiation; (3 credits) Grade Method: REG/AUD.
Role of communication in shaping negotiation processes and outcomes.

0101	Meina Liu	Seats (Total: 15)
	Th 3:30pm - 6:30pm	SKN 2127

COMM631 **Seminar in Public Relations Publics**

COMM631 Seminar in Public Relations Publics; (3 credits) Grade Method: REG/AUD.
Not open to students who have completed JOUR 631. Credit will be granted for only one of the following: COMM 631 or JOUR 631. Formerly JOUR631. Analysis of public relations programs aimed at organizational publics. Media, issue-related, community, employee, governmental, consumer, financial, and student/educator publics. Theories of the nature of publics, communication behavior of publics, and effects of public relations programs aimed at different publics.

0101	Elizabeth Toth	Seats (Total: 15)
	Th 3:30pm - 6:30pm	SKN 1112

COMM688 **Communication Field Experience**

COMM688 *(PermReq)* **Communication Field Experience; (1-6 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

COMM698 **Special Problems in Communication**

COMM698 *(PermReq)* **Special Problems in Communication; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

COMM703 **Advanced Quantitative Data Analysis in Communication Research: Structural Equation Models**

COMM703 Advanced Quantitative Data Analysis in Communication Research: Structural Equation Models; (3 credits) Grade Method: REG/AUD.
Prerequisites: COMM 702 and permission of instructor. Formerly SPCH703. Model evaluation and theory construction in communication research. Causal systems in current communication research: recursive, nonrecursive, and unobserved variable models. Students must have a dissertation research project requiring quantitative methods.

0101	Edward Fink M 3:30pm - 6:30pm	Seats (Total: 15) SKN 2127

COMM712 **Advanced Historical/Critical Methods in Communication Research**

COMM712 Advanced Historical/Critical Methods in Communication Research; (3 credits) Grade Method: REG/AUD.
Prerequisites: COMM 711 and permission of instructor. Formerly SPCH712. Critical assessment of qualitative approaches to communication. Introduction to significant schools of historical and critical research. Advanced techniques for inquiry and manuscript preparation. Students must have dissertation research project requiring historical or critical method.

0101	James Klumpp W 6:30pm - 9:30pm	Seats (Total: 15) SKN 2127

COMM714 **Introduction to Qualitative Methods in Communication Research**

COMM714 Introduction to Qualitative Methods in Communication Research; (3 credits) Grade Method: REG/AUD.
Prerequisite: permission of instructor. Methods for field research in communication including interiewing, ethnographic and participant intervention, focus groups, and content analysis. Formulation of significant research questions, systematic collection of field data, formulating substantial claims from the research, organizing and writing research from disciplinary outlets.

0101	Linda Aldoory	Seats (Total: 15)
	M 6:30pm - 9:30pm	SKN 2127

COMM739P **topics in Public Relations; Gender and Diversity in Public Relations**

COMM739P topics in Public Relations: Gender and Diversity in Public Relations; (3 credits) Grade Method: REG/AUD.

0101	Linda Aldoory	Seats (Total: 15)
	Tu 6:30pm - 9:30pm	SKN 2127

COMM768C **Seminar in Public Address; U.S. Public Address in the 20th and 21st Centuries**

COMM768C *(PermReq)* **Seminar in Public Address: U.S. Public Address in the 20th and 21st Centuries; (3 credits)** Grade Method: REG/AUD.

0101	Shawn Parry-Giles	Seats (Total: 5)
	Contact instructor or department for details.	

COMM768P **Seminar in Public Address; Rhetoric of American Feminism**

COMM768P Seminar in Public Address: Rhetoric of American Feminism; (3 credits) Grade Method: REG/AUD.

0101	Mari Tonn	Seats (Total: 15)
	M 3:30pm - 6:30pm	SKN 1112

COMM798 **Independent Study**

COMM798 *(PermReq)* **Independent Study; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

COMM799 **Master's Thesis Research**

COMM799 *(PermReq)* **Master's Thesis Research; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

COMM888 **Doctoral Practicum in Communication**

COMM888 *(PermReq)* **Doctoral Practicum in Communication; (3-9 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

COMM889 **Doctoral Tutorial in Communication**

COMM889 *(PermReq)* **Doctoral Tutorial in Communication; (3-9 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

COMM898 **Pre-Candidacy Research**

COMM898 *(PermReq)* **Pre-Candidacy Research; (1-8 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

COMM899 **Doctoral Dissertation Research**

COMM899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

CONS Sustainable Development & Conservation Biology — Spring 2009

CONS608 **Seminar in Sustainable Development and Conservation Biology; Conservation Biology**

CONS608 *(PermReq)* **Seminar in Sustainable Development and Conservation Biology: Conservation Biology; (1-2 credits)** Grade Method: REG/AUD. Prerequisite: permission of department. For majors only.

0101	David Inouye W 12:00pm - 12:50pm	Seats (Total: 30) BPS 1234

CONS609 **Special Topics in Conservation Biology**

CONS609 Special Topics in Conservation Biology; (1-3 credits) Grade Method: REG/S-F.

0101	Lou Ann Dietz Th 2:00pm - 5:00pm	Seats (Total: 20) COL 0117
0102	James Dietz Contact instructor or department for details.	Seats (Total: 20)

CONS670 **Conservation Biology**

CONS670 *(PermReq)* **Conservation Biology; (3 credits)** Grade Method: REG/AUD. *Prerequisite: permission of department.* Single species conservation theory and practice: population viability assessment, conservation genetics and demography, metapopulations, reintroduction and conservation education.

0101	Leo Shapiro MWF 11:00am - 11:50am	Seats (Total: 10) BPS 1243

CONS798 **Research Papers in Sustainable Development and Conservation Biology**

CONS798 *(PermReq)* **Research Papers in Sustainable Development and Conservation Biology; (1-3 credits)** Grade Method: REG/S-F.

0101	David Inouye Contact instructor or department for details.	Seats (Total: 20)
0102	James Dietz Contact instructor or department for details.	Seats (Total: 15)

CPSP118A **College Park Scholars Colloquium I; Arts**

CPSP118A College Park Scholars Colloquium I: Arts; (1-2 credits) Grade Method: REG.

Restricted to College Park Scholars-Arts. 0101, instrumentalists; 0102, singers; 0103, actors; 0104, dancers; 0105, guitars; 0201, visual arts; 0202, costumes/props; 0203, street performers; 0204, film; 0205, writers; 0206, puppetry. No lab first week.

0101	Harold Burgess M 6:00pm - 7:15pm W 6:00pm - 7:00pm	Seats (Total: 20) BEL 1109 BEL 1109	 Lab
0102	Harold Burgess M 6:00pm - 7:15pm W 6:00pm - 7:00pm	Seats (Total: 20) CCC 1100 CCC 1100	 Lab
0103	Harold Burgess M 6:00pm - 7:15pm W 6:00pm - 7:00pm	Seats (Total: 20) CCC 1111 CCC 1111	 Lab
0104	Harold Burgess M 6:00pm - 7:15pm W 6:00pm - 7:00pm	Seats (Total: 20) CEN 0109 CEN 0109	 Lab
0105	Harold Burgess M 6:00pm - 7:15pm W 6:00pm - 7:00pm	Seats (Total: 20) CCC 1115 CCC 1115	 Lab
0201	Harold Burgess Tu 6:00pm - 7:15pm Tu 4:00pm - 5:00pm	Seats (Total: 35) CEN 0109 CEN 0109	 Lab
0202	Harold Burgess Tu 6:00pm - 7:15pm Tu 5:00pm - 6:00pm	Seats (Total: 20) BEL 1110 BEL 1110	 Lab
0203	Harold Burgess Tu 6:00pm - 7:15pm W 6:00pm - 7:00pm	Seats (Total: 20) CCC 1100 CCC 1105	 Lab

0204	Harold Burgess Tu 6:00pm - 7:15pm Tu 7:15pm - 8:15pm	Seats (Total: 10) BEL 1109 BEL 1109	 Lab
0205	Harold Burgess Tu 6:00pm - 7:15pm W 6:00pm - 7:00pm	Seats (Total: 25) CCC 1200 CCC 1200	 Lab
0206	Harold Burgess Tu 6:00pm - 7:15pm Tu 4:00pm - 5:00pm	Seats (Total: 7) CEN 0109 CEN 0109	 Lab

CPSP118B **College Park Scholars Colloquium I; Business, Society, and the Economy**

CPSP118B College Park Scholars Colloquium I: Business, Society, and the Economy; (1 credit) Grade Method: REG.
Restricted to College Park Scholars - Business, Society, and the Economy.

0101	Mark Wellman M 5:00pm - 7:00pm	Seats (Total: 80) VMH 1330	

CPSP118D **College Park Scholars Colloquium I; Science, Discovery, and the Universe**

CPSP118D College Park Scholars Colloquium I: Science, Discovery, and the Universe; (1 credit) Grade Method: REG.
Restricted to College Park Scholars - Science, Discovery, and the Universe.

0101	Paul Romani Th 4:00pm - 5:20pm	Seats (Total: 40) CCC 1205	
0102	Alan Peel Th 4:00pm - 5:20pm	Seats (Total: 40) JMP 1202	

CPSP118E **College Park Scholars Colloquium I; Environmental Studies**

CPSP118E College Park Scholars Colloquium I: Environmental Studies; (1 credit) Grade Method: REG.
Restricted to College Park Scholars- Environmental Studies.

0101	Katherine Grover W 5:00pm - 5:50pm Tu 3:00pm - 3:50pm	Seats (Total: 20) CCC 1205 CCC 1105	 Discussion
	Discussion will meet W5-5:50pm in CCC on days when there is no plenary session scheduled.		
0102	Katherine Grover W 5:00pm - 5:50pm Tu 4:00pm - 4:50pm	Seats (Total: 20) CCC 1205 CCC 1105	 Discussion
0103	Katherine Grover W 5:00pm - 5:50pm Th 3:00pm - 3:50pm	Seats (Total: 20) CCC 1205 CCC 1105	 Discussion
0104	Katherine Grover W 5:00pm - 5:50pm Th 2:00pm - 2:50pm	Seats (Total: 20) CCC 1205 CCC 1115	 Discussion
0105	Katherine Grover Contact instructor or department for details.	Seats (Total: 10)	

CPSP118G **College Park Scholars Colloquium I; Earth, Life, and Time**

CPSP118G College Park Scholars Colloquium I: Earth, Life, and Time; (1 credit)
Grade Method: REG.
Restricted to College Park Scholars - Earth, Life, and Time.

0101	Thomas Holtz Tu 3:30pm - 4:50pm	Seats (Total: 80) CCC 1100	

CPSP118L **College Park Scholars Colloquium I; Life Sciences**

CPSP118L College Park Scholars Colloquium I: Life Sciences; (2 credits) Grade Method: REG.
Restricted to College Park Scholars - Life Sciences.

0101	John Hellman W 3:30pm - 5:30pm	Seats (Total: 115) PLS 1140	

CPSP118N **College Park Scholars Colloquium I; International Studies**

CPSP118N College Park Scholars Colloquium I: International Studies; (1 credit)
Grade Method: REG.
Restricted to College Park Scholars - International Studies.

0101	James Glass Tu 2:00pm - 3:15pm	Seats (Total: 19) CCC 1100
0102	James Glass Tu 2:00pm - 3:15pm	Seats (Total: 19) CCC 1200
0103	James Glass Tu 2:00pm - 3:15pm	Seats (Total: 19) CCC 1115
0104	James Glass Tu 2:00pm - 3:15pm	Seats (Total: 19) CBD 1140

CPSP118P **College Park Scholars Colloquium I; Public Leadership: Applied Leadership**

CPSP118P College Park Scholars Colloquium I: Public Leadership: Applied Leadership; (1 credit) Grade Method: REG.
Restricted to College Park Scholars - Public Leadership.

0101	Stacy Kosko Tu 2:15pm - 3:30pm	Seats (Total: 25) TLF 0101
0201	Stacy Kosko W 2:15pm - 3:30pm	Seats (Total: 25) CCC 1111
0301	Stacy Kosko W 3:45pm - 5:00pm	Seats (Total: 25) CCC 1111

CPSP118T **College Park Scholars Colloquium I; Colloquium in Science, Technology, and Society**

CPSP118T College Park Scholars Colloquium I: Colloquium in Science, Technology, and Society; (1 credit) Grade Method: REG.
Restricted to College Park Scholars - Science, Technology, and Society.

0101	Betsy Mendelsohn M 3:30pm - 4:50pm Contact instructor or department for details.	Seats (Total: 80) CCC 1100

CPSP218C **College Park Scholars Colloquium II; Advocacy and Discovery**

CPSP218C College Park Scholars Colloquium II: Advocacy and Discovery; (1 credit) Grade Method: REG.
Restricted to College Park Scholars-Advocates for Children.

0101	James DeGeorge Th 2:00pm - 3:20pm	Seats (Total: 80) CCC 1100

CPSP218L **College Park Scholars Colloquium II; Life Sciences**

CPSP218L *(PermReq)* **College Park Scholars Colloquium II: Life Sciences; (1 credit)** Grade Method: REG.
Restricted to College Park Scholars - Life Sciences.

0101	John Hellman Contact instructor or department for details. Th 4:00pm - 6:00pm	Seats (Total: 25) PLS 1146
0201	Nancy Booth Contact instructor or department for details. Tu 4:00pm - 5:30pm	Seats (Total: 25) PLS 1115
0301	Beth Parent Contact instructor or department for details. Th 4:00pm - 6:00pm	Seats (Total: 25) PLS 1115
0401	Reid Compton Contact instructor or department for details. Tu 4:00pm - 5:30pm	Seats (Total: 23) PLS 1172

CPSP221 **Cultures of the Americas**

CPSP221 Cultures of the Americas; (3 credits) Grade Method: REG/P-F/AUD. CORE Interdisciplinary & Emerging Issues (IE) Course. CORE Diversity (D) Course. *Enrollment limited to students in the American Cultures program of College Park Scholars. Prerequisite: CPSP118R.* Truly interdisciplinary, the course brings together readings and methodologies from history, literature and literary criticism, political science, anthropology, psychology and sociology. The course is comparative and hemispheric in approach, including the "other Americas": Canada, Mexico, the Caribbean and Central and South America. Restricted to students in the Cultures of the Americas program in Colleg e Park Scholars.

0101	Sangeeta Ray MW 1:00pm - 2:15pm	Seats (Total: 80) CCC 1205

CPSP222 **Analyzing Media Practice through Theory**

CPSP222 Analyzing Media Practice through Theory; (3 credits) Grade Method: REG/P-F/AUD. CORE Interdisciplinary & Emerging Issues (IE) Course. Restricted to College Park Scholars in Media, Self, and Society.

0101	Kalyani Chadha TuTh 2:00pm - 3:20pm	Seats (Total: 75) CCC 1205

CPSP227 **College Park Scholars Capstone: Science, Technology, and Society**

CPSP227 College Park Scholars Capstone: Science, Technology, and Society; (3 credits) Grade Method: REG. CORE Behavioral and Social Science (SB) Course. *Prerequisite: An [SB] CORE course and admission to College Park Scholars Program.* Capstone course for College Park Scholars - Science, Technology, and Society Program. Exploration and understanding of ways science and technology shape and are shaped by society. Restricted to College Park Scholars - Science, Technology, and Society.

0101	John Matthews TuTh 9:30am - 10:45am	Seats (Total: 20) CCC 1105
0102	Betsy Mendelsohn TuTh 12:30pm - 1:45pm	Seats (Total: 20) CCC 1115

CPSP229D **Supervised Online Communication Practicum; Science, Discovery, and the Universe**

CPSP229D Supervised Online Communication Practicum: Science, Discovery, and the Universe; (2 credits) Grade Method: REG.

0101	Matthew Zagursky, Neal Miller	Seats (Total: 25)	
	W 4:30pm - 5:50pm	CCC 1100	
	Tu 4:00pm - 5:15pm	KEB 2111	Discussion

CPSP229T **Supervised Online Communication Practicum; Science, Technology, and Society**

CPSP229T Supervised Online Communication Practicum: Science, Technology, and Society; (1 credit) Grade Method: REG.
Restricted to College Park Scholars - Science, Technology, and Society.

0201	YuChi Liao	Seats (Total: 12)	
	W 5:00pm - 6:20pm	EGR 3140	

CPSP239A **Individual Practicum; Arts**

CPSP239A Individual Practicum: Arts; (1-3 credits) Grade Method: REG.
Restricted to College Park Scholars - Arts. 0101 is instrumentalists; 0102, singers; 0103, actors; 0104, dancers; 0105, guitars; 0201, visual arts; 0202, costumes/props; 0203, street performers; 0204, film; 0205, writers, 0206, puppetry. No lab first week.

0101	Harold Burgess	Seats (Total: 20)	
	M 6:00pm - 7:15pm	BEL 1109	
	W 6:00pm - 7:00pm	BEL 1109	Lab
0102	Harold Burgess	Seats (Total: 20)	
	M 6:00pm - 7:15pm	CCC 1100	
	W 6:00pm - 7:00pm	CCC 1100	Lab
0103	Harold Burgess	Seats (Total: 20)	
	M 6:00pm - 7:15pm	CCC 1111	
	W 6:00pm - 7:00pm	CCC 1111	Lab
0104	Harold Burgess	Seats (Total: 20)	
	M 6:00pm - 7:15pm	CEN 0109	
	W 6:00pm - 7:00pm	CEN 0109	Lab

0105	Harold Burgess M 6:00pm - 7:15pm W 6:00pm - 7:00pm	Seats (Total: 20) CCC 1115 CCC 1115	 Lab
0201	Harold Burgess Tu 6:00pm - 7:15pm Tu 4:00pm - 5:00pm	Seats (Total: 35) CEN 0109 CEN 0109	 Lab
0202	Harold Burgess Tu 6:00pm - 7:15pm Tu 5:00pm - 6:00pm	Seats (Total: 25) BEL 1110 BEL 1110	 Lab
0203	Harold Burgess Tu 6:00pm - 7:15pm W 6:00pm - 7:00pm	Seats (Total: 20) CCC 1100 CCC 1105	 Lab
0204	Harold Burgess Tu 6:00pm - 7:15pm Tu 7:15pm - 8:15pm	Seats (Total: 10) BEL 1109 BEL 1109	 Lab
0205	Harold Burgess Tu 6:00pm - 7:15pm W 6:00pm - 7:00pm	Seats (Total: 20) CCC 1200 CCC 1200	 Lab
0206	Harold Burgess Tu 6:00pm - 7:15pm Tu 4:00pm - 5:00pm	Seats (Total: 7) CEN 0109 CEN 0109	 Lab

CPSP239C **Individual Practicum; Advocates for Children**

CPSP239C Individual Practicum: Advocates for Children; (1-3 credits) Grade Method: REG.

Restricted to College Park Scholars - Advocates for Children.

0101	James DeGeorge Contact instructor or department for details.	Seats (Total: 30)

CPSP239D **Individual Practicum; Science, Discovery, and the Universe**

CPSP239D Individual Practicum: Science, Discovery, and the Universe; (2 credits) Grade Method: REG.
Restricted to College Park Scholars - Science, Discovery, and the Universe.

0101	Neal Miller W 4:30pm - 5:50pm Contact instructor or department for details.	Seats (Total: 45) CCC 1100

CPSP239E **Individual Practicum; Environmental Studies**

CPSP239E Individual Practicum: Environmental Studies; (1-3 credits) Grade Method: REG.
Restricted to College Park Scholars - Environmental Studies.

0101	Katherine Grover M 5:00pm - 6:15pm	Seats (Total: 14) CCC 1105
0201	Katherine Grover Tu 2:00pm - 3:15pm	Seats (Total: 14) PLS 1158
0301	Katherine Grover W 2:00pm - 3:15pm	Seats (Total: 14) CCC 1105

CPSP239G **Individual Practicum**

CPSP239G Individual Practicum; (1-3 credits) Grade Method: REG.
Restricted to College Park Scholars - Earth, Life, and Time.

0101	Thomas Holtz Contact instructor or department for details.	Seats (Total: 50)

CPSP239J **Individual Practicum; Media, Self, and Society**

CPSP239J Individual Practicum: Media, Self, and Society; (1 credit) Grade Method: REG.
Restricted to College Park Scholars - Media, Self, and Society.

0101	Kenneth Joseph, Kalyani Chadha Tu 6:00pm - 7:15pm	Seats (Total: 75) CCC 1205

CPSP239L **Individual Practicum**

Contact department for information to register for this course.

CPSP239N **Individual Practicum; International Studies**

CPSP239N Individual Practicum: International Studies; (3 credits) Grade Method: REG.

Restricted to College Park Scholars - International Studies.

0101	James Glass	Seats (Total: 40)
	Contact instructor or department for details.	
	Contact instructor or department for details.	

CPSP239R **Individual Practicum; Practicum: Cultures of the Americas**

CPSP239R Individual Practicum: Practicum: Cultures of the Americas; (3 credits) Grade Method: REG.

Restricted to College Park Scholars - American Cultures.

0101	Sangeeta Ray	Seats (Total: 60)
	Contact instructor or department for details.	
0201	Sangeeta Ray	Seats (Total: 50)
	Contact instructor or department for details.	

CPSP239T **Individual Practicum; Science, Technology, and Society**

CPSP239T *(PermReq)* **Individual Practicum: Science, Technology, and Society; (1 credit)** Grade Method: REG.

Restricted to College Park Scholars - Science, Technology, and Society.

0101	Betsy Mendelsohn	Seats (Total: 10)
	Th 3:40pm - 5:00pm	CCC 1115

CPSP249A **Service-Learning; Arts**

CPSP249A Service-Learning: Arts; (1-3 credits) Grade Method: REG.

Restricted to College Park Scholars - Arts.

0101	Harold Burgess	Seats (Total: 25)
	Contact instructor or department for details.	

CPSP249C **Service-Learning; Advocates for Children**

CPSP249C Service-Learning: Advocates for Children; (1-3 credits) Grade Method: REG.
Restricted to College Park Scholars - Advocates for Children.

0101	James DeGeorge	Seats (Total: 30)
	Contact instructor or department for details.	

CPSP249D **Service-Learning; Science, Discovery, and the Universe**

CPSP249D Service-Learning: Science, Discovery, and the Universe; (2 credits) Grade Method: REG.
Restricted to College Park Scholars - Science, Discovery, and the Universe.

0101	Neal Miller	Seats (Total: 25)
	W 4:30pm - 5:50pm	CCC 1100
	Contact instructor or department for details.	

CPSP249G **Service-Learning; Earth, Life, and Time**

CPSP249G Service-Learning: Earth, Life, and Time; (1-3 credits) Grade Method: REG.
Restricted to College Park Scholars - Earth, Life, and Time.

0101	Thomas Holtz	Seats (Total: 25)
	Contact instructor or department for details.	

CPSP249J **Service-Learning; Media, Self, and Society**

CPSP249J Service-Learning: Media, Self, and Society; (1 credit) Grade Method: REG.
Restricted to College Park Scholars - Media, Self, and Society.

0101	Kenneth Joseph, Kalyani Chadha	Seats (Total: 25)
	Tu 6:00pm - 7:15pm	CCC 1205

CPSP249L **Service-Learning; Life Sciences**

CPSP249L Service-Learning: Life Sciences; (2 credits) Grade Method: REG.
Restricted to College Park Scholars - Life Sciences.

0101	John Hellman	Seats (Total: 25)
	Contact instructor or department for details.	

CPSP249N **Service-Learning; International Studies**

CPSP249N Service-Learning: International Studies; (3 credits) Grade Method: REG.
Restricted to College Park Scholars - International Studies

0101	James Glass	Seats (Total: 15)
	Contact instructor or department for details. Contact instructor or department for details.	

CPSP249T **Service-Learning; Science, Technology, and Society**

CPSP249T Service-Learning: Science, Technology, and Society; (1 credit) Grade Method: REG.

0101	William Evans	Seats (Total: 11)
	W 3:30pm - 4:50pm	PAC 1108
0201	Betsy Mendelsohn	Seats (Total: 10)
	Contact instructor or department for details.	

CPSP259D **Discovery Projects Research**
Contact department for information to register for this course.

CPSP259N **Discovery Projects Research; International Studies**
Contact department for information to register for this course.

CPSP318 **College Park Scholars Colloquium III; DISCOVERY RESEARCH**

CPSP318 College Park Scholars Colloquium III: DISCOVERY RESEARCH; (1-3 credits) Grade Method: REG.
Restricted to College Park Scholars.Students enrolled in this course must participate in the University of Maryland's Undergraduate Research Day (April 22, 2009) and the College Park Scholars Academic Showcase (May 1,2009).

0101	Shana Marshall W 3:30pm - 4:45pm	Seats (Total: 20) CBD 1140

CPSP318B **College Park Scholars Colloquium III; Business, Society, and the Economy**

CPSP318B College Park Scholars Colloquium III: Business, Society, and the Economy; (1 credit) Grade Method: REG.
Restricted to College Park Scholars-Business, Society, and the Economy.

0101	Mark Wellman Th 12:30pm - 1:45pm	Seats (Total: 40) CCC 1205
0301	Mark Wellman Th 3:30pm - 4:45pm	Seats (Total: 40) CCC 1100

CPSP318C **College Park Scholars Colloquium III; Advocates for Children Capstone: Advocacy in Action**

CPSP318C College Park Scholars Colloquium III: Advocates for Children Capstone: Advocacy in Action; (3 credits) Grade Method: REG.

0101	James DeGeorge TuTh 12:30pm - 1:45pm	Seats (Total: 35) CCC 1111
0201	Sharon Rubinstein TuTh 2:00pm - 3:15pm	Seats (Total: 25) CCC 1111

CPSP318P **College Park Scholars Colloquium III; Leadership and Social Change**

CPSP318P College Park Scholars Colloquium III: Leadership and Social Change; (3 credits) Grade Method: REG.
Restricted to College Park Scholars - Public Leadership.

0101	David Crocker TuTh 3:30pm - 4:45pm	Seats (Total: 35) CCC 1111

CPSP339 **Advanced Practicum**
Contact department for information to register for this course.

CPSP339A **Advanced Practicum; Arts**

Contact department for information to register for this course.

CPSP339B **Advanced Practicum; Business, Society, and the Economy**
Contact department for information to register for this course.

CPSP339C **Advanced Practicum; Advocates for Children**
Contact department for information to register for this course.

CPSP339D **Advanced Practicum; Science, Discovery, and the Universe**
Contact department for information to register for this course.

CPSP339E **Advanced Practicum; Environmental Studies**
Contact department for information to register for this course.

CPSP339G **Advanced Practicum; Earth, Life, and Time**
Contact department for information to register for this course.

CPSP339J **Advanced Practicum; Media, Self, and Society**
Contact department for information to register for this course.

CPSP339L **Advanced Practicum; Life Sciences**
Contact department for information to register for this course.

CPSP339N **Advanced Practicum; International Studies**
Contact department for information to register for this course.

CPSP339P **Advanced Practicum; Public Leadership**

CPSP339P Advanced Practicum: Public Leadership; (1-3 credits) Grade Method: REG.

0101	Jennifer Littlefield	Seats (Total: 20)
	Contact instructor or department for details.	

CPSP339R **Advanced Practicum; Cultures of the Americas**
Contact department for information to register for this course.

CPSP339W **Advanced Practicum; Library of Congress Discovery Research**

CPSP339W Advanced Practicum: Library of Congress Discovery Research; (3 credits) Grade Method: REG.
Restricted to College Park Scholars. Students enrolled in this course must participate in the University of Maryland's Undergraduate Research Day (April 22, 2009) and the College Park Scholars Academic Showcase (May 1,2009). Friday lab will take place at the Library of Congress.

0101	Robert Garber W 3:30pm - 4:45pm F 8:30am - 12:30pm	Seats (Total: 8) CCC 1105 Location: TBA	 Lab

CPSP369 **Guided College Park Scholars Teaching**
Contact department for information to register for this course.

CPSP369A **Guided College Park Scholars Teaching; Arts**
Contact department for information to register for this course.

CPSP369B **Guided College Park Scholars Teaching; Business, Society, and the Economy**
Contact department for information to register for this course.

CPSP369C **Guided College Park Scholars Teaching; Advocates for Children**
Contact department for information to register for this course.

CPSP369D **Guided College Park Scholars Teaching; Science, Discovery, and the Universe**
Contact department for information to register for this course.

CPSP369E **Guided College Park Scholars Teaching; Environmental Studies**
Contact department for information to register for this course.

CPSP369G **Guided College Park Scholars Teaching; Earth, Life, and Time**
Contact department for information to register for this course.

CPSP369J **Guided College Park Scholars Teaching; Media, Self, and Society**
Contact department for information to register for this course.

CPSP369L **Guided College Park Scholars Teaching; Life Sciences**
Contact department for information to register for this course.

CPSP369P **Guided College Park Scholars Teaching; Public Leadership**
Contact department for information to register for this course.

CPSP369R **Guided College Park Scholars Teaching; American Cultures**
Contact department for information to register for this course.

CPSP369T **Guided College Park Scholars Teaching; Science, Technology, and Society**
Contact department for information to register for this course.

CPSP379B **College Park Scholars Travel Study; Dubai Business and Culture**
Contact department for information to register for this course.

DANC Dance Spring 2009

DANC109 **Improvisation I**

DANC109 *(PermReq)* **Improvisation I; (2 credits)** Grade Method: REG/P-F/AUD.
Permission of Department Required

0101	Meriam Rosen	Seats (Total: 30)	
	TuTh 11:00am - 12:15pm	PAC 1912	Lab

DANC118 **Beginning Tap**

DANC118 Beginning Tap; (2 credits) Grade Method: REG/P-F/AUD.

0101	Mary Slater	Seats (Total: 30)	
	TuTh 2:00pm - 3:15pm	PKT 2102	

DANC128 **Fundamentals of Ballet**

DANC128 Fundamentals of Ballet; (2 credits) Grade Method: REG/P-F/AUD.

0101	Heather Looney	Seats (Total: 30)	
	MW 9:30am - 10:45am	PKT 2102	Lab
0102	Vannia Ibarguen	Seats (Total: 30)	
	MW 11:00am - 12:15pm	PKT 2102	Lab

0103	Vannia Ibarguen MW 12:30pm - 1:45pm	Seats (Total: 30) PKT 2102	Lab

DANC138 **Introduction to Ethnic Dance; West African Dance**

DANC138 Introduction to Ethnic Dance: West African Dance; (2 credits) Grade Method: REG/P-F/AUD. CORE Diversity (D) Course.

0101	Diedre Dawkins TuTh 12:30pm - 1:45pm	Seats (Total: 30) PAC 1610	
0102	Diedre Dawkins TuTh 2:00pm - 3:15pm	Seats (Total: 30) PAC 1610	

DANC148 **Fundamentals of Modern Dance**

DANC148 Fundamentals of Modern Dance; (2 credits) Grade Method: REG/P-F/AUD.

0101	Lauren Withhart TuTh 9:30am - 10:45am	Seats (Total: 30) PAC 1912	Lab
0102	Lauren Withhart TuTh 11:00am - 12:15pm	Seats (Total: 30) PAC 1610	Lab
0103	Angella Foster TuTh 2:00pm - 3:15pm	Seats (Total: 30) PAC 1908	Lab
0104	Angella Foster TuTh 3:30pm - 4:45pm	Seats (Total: 30) PAC 1912	Lab

DANC149 **Fundamentals of Modern Dance II**

DANC149 Fundamentals of Modern Dance II; (2 credits) Grade Method: REG.

0101	Marissa Guerrero TuTh 2:00pm - 3:15pm	Seats (Total: 20) PAC 1912	Lab

DANC199 **Practicum in Choreography, Production and Performance I; Dance Workshop I**
Contact department for information to register for this course.

DANC200 **Introduction to Dance**

DANC200 Introduction to Dance; (3 credits) Grade Method: REG/P-F/AUD. CORE History or Theory of Arts (HA) Course. CORE Diversity (D) Course.
A study of dance as a form of communication and as an art form; a survey of the theories and styles of dance, and their relationships to other art forms.

0101	Diane DeFries TuTh 12:30pm - 1:45pm	Seats (Total: 35) ARC 1103	
0201	Diane DeFries TuTh 9:30am - 10:45am	Seats (Total: 35) ARC 1101	
0301	Barbara Gaskill MWF 9:00am - 9:50am	Seats (Total: 35) SQH 1121	
0401	Barbara Gaskill MWF 10:00am - 10:50am	Seats (Total: 35) SQH 1101	

DANC208 **Choreography I**

DANC208 *(PermReq)* **Choreography I; (3 credits)** Grade Method: REG/P-F/AUD. Prerequisites: DANC102 AND DANC109; Dance majors or Permission of department.

0101	Alvin Mayes MWF 2:00pm - 3:20pm	Seats (Total: 16) PAC 1912	Lab

DANC210 **Dance Production**

DANC210 Dance Production; (3 credits) Grade Method: REG/P-F/AUD.
A survey of theatre crafts and techniques involved in dance production, including lighting, sound, set and costume design and construction, stage-management and videotaping.

0101	Paul Jackson WF 3:30pm - 4:45pm M 3:30pm - 4:45pm	Seats (Total: 20) PAC 1809 PAC 1610	Lab

DANC228 **Ballet I**

DANC228 *(PermReq)* **Ballet I; (2 credits)** Grade Method: REG/P-F/AUD.

0101	Julia Smith	Seats (Total: 28)	
	TuTh 12:30pm - 1:45pm	PAC 1908	Lab

DANC229 **Ballet II**

DANC229 *(PermReq)* **Ballet II; (2 credits)** Grade Method: REG/P-F/AUD.

0101	Julia Smith	Seats (Total: 28)	
	TuTh 9:30am - 10:45am	PAC 1908	Lab

DANC248 **Modern Dance I**

DANC248 *(PermReq)* **Modern Dance I; (3 credits)** Grade Method: REG/P-F/AUD.

0101	Sharon Mansur	Seats (Total: 26)	
	MWF 11:00am - 12:20pm	PAC 1912	Lab

DANC249 **Modern Dance II**

DANC249 *(PermReq)* **Modern Dance II; (3 credits)** Grade Method: REG/P-F/AUD.

0101	Alvin Mayes	Seats (Total: 20)	
	MWF 12:30pm - 1:50pm	PAC 1912	Lab

DANC258 **Jazz I**

DANC258 *(PermReq)* **Jazz I; (2 credits)** Grade Method: REG/P-F/AUD.

0101	Marissa Guerrero	Seats (Total: 28)	
	TuTh 11:00am - 12:15pm	PKT 2102	Lab

DANC299 **Practicum in Choreography, Production and Performance II; Dance Workshop II**
Contact department for information to register for this course.

DANC305 **Principles of Teaching Dance**

DANC305 Principles of Teaching Dance; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisites: DANC102, DANC208, and DANC248.* Theory and practice of dance instruction including methods, lesson plans and practice teaching.

0101	Karen Bradley	Seats (Total: 20)	
	MW 9:30am - 10:45am	PAC 1908	

DANC308 **Choreography II**

DANC308 Choreography II; (3 credits) Grade Method: REG/P-F/AUD. Prerequisite: DANC208.

0101	Sharon Mansur	Seats (Total: 18)	
	MWF 3:30pm - 4:50pm	PAC 1912	Lab

DANC310 **Dance Lighting**

DANC310 Dance Lighting; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: DANC210.* Two lectures and two laboratory periods per week. Theory and practice of stage lighting with specific reference to designing for dance.

0101	Paul Jackson	Seats (Total: 8)	
	Contact instructor or department for details.		

DANC328 **Ballet III; Ballet III for Majors**

DANC328 *(PermReq)* **Ballet III: Ballet III for Majors; (2 credits)** Grade Method: REG/P-F/AUD.

0101	Julia Smith	Seats (Total: 17)	
	TuTh 11:00am - 12:15pm	PAC 1908	Lab

DANC329 **Ballet IV; Ballet IV for Majors**

DANC329 *(PermReq)* **Ballet IV: Ballet IV for Majors; (2 credits)** Grade Method: REG/P-F/AUD.

0101	Julia Smith	Seats (Total: 13)	
	TuTh 11:00am - 12:15pm	PAC 1908	Lab

DANC348 **Modern Dance III**

DANC348 *(PermReq)* **Modern Dance III; (3 credits)** Grade Method: REG/P-F/AUD.

0101	Dawn Springer	Seats (Total: 18)	
	MWF 11:00am - 12:20pm	PAC 1610	Lab

DANC349 **Modern Dance IV**

DANC349 *(PermReq)* **Modern Dance IV; (3 credits)** Grade Method: REG/P-F/AUD.

0101	Gesel Mason	Seats (Total: 20)	
	MWF 12:30pm - 1:50pm	PAC 1610	Lab

DANC386 **Experiential Learning**
Contact department for information to register for this course.

DANC388 **Choreography III**

DANC388 Choreography III; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: DANC308.

0101	Meriam Rosen	Seats (Total: 12)	
	TuTh 3:30pm - 4:45pm	PAC 1610	Lab

DANC398 **Directed Studies in Dance**
Contact department for information to register for this course.

DANC399 **Practicum in Choreography, Production and Performance III; Dance Workshop III**
Contact department for information to register for this course.

DANC399A **Practicum in Choreography, Production and Performance III; Intermediate and Advanced Tap**

DANC399A Practicum in Choreography, Production and Performance III: Intermediate and Advanced Tap; (2 credits) Grade Method: REG/P-F/AUD.

0101	Mary Slater	Seats (Total: 20)	
	TuTh 12:30pm - 1:45pm	PKT 2102	Lab

DANC410 **Technical Theater Production for Dance**

DANC410 Technical Theater Production for Dance; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: DANC210 or equivalent; or permission of department. A study of the theoretical principles of production and the practical application of those principles to the presentation of dance works.

0101	Paul Jackson	Seats (Total: 4)	
	Contact instructor or department for details.		

DANC448 **Modern Dance V**

DANC448 *(PermReq)* **Modern Dance V; (3 credits)** Grade Method: REG/P-F/AUD.

0101	Dawn Springer	Seats (Total: 10)	
	MWF 2:00pm - 3:30pm	PAC 1610	Lab

DANC449 **Modern Dance VI**

DANC449 *(PermReq)* **Modern Dance VI; (3 credits)** Grade Method: REG/P-F/AUD.

0101	Dawn Springer	Seats (Total: 6)	
	MWF 2:00pm - 3:30pm	PAC 1610	Lab

DANC466 **Laban Movement Analysis**

DANC466 Laban Movement Analysis; (3 credits) Grade Method: REG/P-F/AUD.
For DANC majors only. Introduction to Rudolf Laban's system of qualitative movement analysis in relation to understanding personal movement style. Application to dance performance, teaching, composition and research.

0101	Anne Warren	Seats (Total: 15)	
	TuTh 11:00am - 12:15pm	PAC 1611	Lab

DANC485 **Seminar in Dance**

DANC485 Seminar in Dance; (3 credits) Grade Method: REG/P-F/AUD. CORE Capstone (CS) Course.
Prerequisite: DANC483. Senior standing. For DANC majors only. Formerly DANC484.
Individual research leading to a presentation with written documentation of the process, serving as a culmination of undergraduate study for dance majors.

0101	Karen Bradley	Seats (Total: 20)	
	TuTh 9:30am - 10:45am	PAC 1807	

DANC489 **Special Topics in Dance; The Creative Process**

DANC489 *(PermReq)* **Special Topics in Dance: The Creative Process; (1 credit)** Grade Method: REG/P-F/AUD.
Prerequisite: permission of the department.

0101	Meriam Rosen	Seats (Total: 12)	
	Contact instructor or department for details.		

DANC489B **Special Topics in Dance; Partnering**

DANC489B *(PermReq)* **Special Topics in Dance: Partnering; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: DANC109 and permission of department.

0101	Alvin Mayes	Seats (Total: 12)	
	TuTh 12:30pm - 1:45pm	PAC 1912	Lab

DANC499 **Practicum in Choreography, Production and Performance IV**
Contact department for information to register for this course.

DANC648 **Advanced Modern Dance Technique I**

DANC648 Advanced Modern Dance Technique I; (2 credits) Grade Method: REG/AUD.

0101	Dawn Springer	Seats (Total: 5)	
	MWF 2:00pm - 3:30pm	PAC 1610	Lab

DANC649 **Advanced Modern Dance Technique II**

DANC649 Advanced Modern Dance Technique II; (2 credits) Grade Method: REG/AUD.

0101	Dawn Springer	Seats (Total: 5)	
	MWF 2:00pm - 3:30pm	PAC 1610	Lab

DANC679 **Graduate Dance Performance**

DANC679 Graduate Dance Performance; (1-3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

DANC689 **Special Topics in Dance**

DANC689 Special Topics in Dance; (1-3 credits) Grade Method: REG/AUD.

0101	Meriam Rosen	Seats (Total: 2)
	Contact instructor or department for details.	

DANC689B **Special Topics in Dance**

DANC689B Special Topics in Dance; (1-3 credits) Grade Method: REG/AUD.

0101	Alvin Mayes	Seats (Total: 5)	
	TuTh 12:30pm - 1:45pm	PAC 1912	Lab

DANC689C **Special Topics in Dance; Movement Observation**

DANC689C Special Topics in Dance: Movement Observation; (2 credits) Grade Method: REG/AUD.
Aspects of cultural and nonverbal analysis, developmental movement patterns, kinesiological analysis, and Laban Movement Analysis, with thegoal of developing the student's ability to observe macro and micro levels of detail, including cultural, gender, interactive, and communicative patterns. No prior experience or prequisites necessary.

0101	Karen Bradley	Seats (Total: 12)
	W 3:30pm - 5:30pm	PAC 1611

DANC689D **Special Topics in Dance**

DANC689D Special Topics in Dance; (1-3 credits) Grade Method: REG/AUD.

0101	Karen Bradley	Seats (Total: 3)
	Contact instructor or department for details.	

DANC698 **Independent Study in Dance**

DANC698 Independent Study in Dance; (1-3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

DANC788 **Master's Tutorial for Choreography; Graduate Tutorial**

DANC788 Master's Tutorial for Choreography: Graduate Tutorial; (1-3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

DANC789 **Directed Study in Dance Theory**

DANC789 Directed Study in Dance Theory; (2-6 credits) Grade Method: REG/AUD.

0101	Karen Bradley	Seats (Total: 1)
	Contact instructor or department for details.	
0501	Sharon Mansur	Seats (Total: 1)
	Contact instructor or department for details.	

DANC799 **Master's Thesis Project**

DANC799 Master's Thesis Project; (1-6 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ECON200 **Principles of Micro-Economics**

ECON200 Principles of Micro-Economics; (4 credits) Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course.
Prerequisite: MATH110 or placement in MATH113/MATH115/MATH111. It is recommended that students complete ECON200 before taking ECON201. Introduces economic models of the behavior of individual consumers and business firms, problems of international trade, the distribution of income, policies for eliminating poverty and discrimination, the problems of environmental pollution, and the impact of different market structures upon economic activity.

2101	Alka Gandhi TuTh 11:00am - 12:15pm F 2:00pm - 2:50pm	Seats (Total: 31) TYD 0130 TYD 1108	Discussion
2102	Alka Gandhi TuTh 11:00am - 12:15pm M 8:00am - 8:50am	Seats (Total: 31) TYD 0130 TYD 0101	Discussion
2103	Alka Gandhi TuTh 11:00am - 12:15pm W 9:00am - 9:50am	Seats (Total: 31) TYD 0130 TYD 0101	Discussion
2104	Alka Gandhi TuTh 11:00am - 12:15pm F 9:00am - 9:50am	Seats (Total: 31) TYD 0130 KEY 0116	Discussion
2105	Alka Gandhi TuTh 11:00am - 12:15pm M 1:00pm - 1:50pm	Seats (Total: 31) TYD 0130 TYD 1108	Discussion
2106	Alka Gandhi TuTh 11:00am - 12:15pm F 8:00am - 8:50am	Seats (Total: 31) TYD 0130 TYD 0101	Discussion
2107	Alka Gandhi TuTh 11:00am - 12:15pm M 1:00pm - 1:50pm	Seats (Total: 31) TYD 0130 TYD 2108	Discussion
2108	Alka Gandhi TuTh 11:00am - 12:15pm W 1:00pm - 1:50pm	Seats (Total: 31) TYD 0130 TYD 2102	Discussion

2109	Alka Gandhi TuTh 11:00am - 12:15pm F 1:00pm - 1:50pm	Seats (Total: 31) TYD 0130 TYD 1108	Discussion
2110	Alka Gandhi TuTh 11:00am - 12:15pm M 8:00am - 8:50am	Seats (Total: 31) TYD 0130 TYD 2102	Discussion
2111	Alka Gandhi TuTh 11:00am - 12:15pm F 10:00am - 10:50am	Seats (Total: 31) TYD 0130 TLF 1101	Discussion
2112	Alka Gandhi TuTh 11:00am - 12:15pm M 8:00am - 8:50am	Seats (Total: 31) TYD 0130 TYD 1114	Discussion
2113	Alka Gandhi TuTh 11:00am - 12:15pm F 11:00am - 11:50am	Seats (Total: 31) TYD 0130 JRN 1105	Discussion
2114	Alka Gandhi TuTh 11:00am - 12:15pm W 1:00pm - 1:50pm	Seats (Total: 31) TYD 0130 TYD 1114	Discussion
2201	Daniel Vincent TuTh 12:30pm - 1:45pm F 11:00am - 11:50am	Seats (Total: 31) TYD 0130 ARM 0103	Discussion
2202	Daniel Vincent TuTh 12:30pm - 1:45pm M 8:00am - 8:50am	Seats (Total: 31) TYD 0130 TYD 1118	Discussion
2203	Daniel Vincent TuTh 12:30pm - 1:45pm W 9:00am - 9:50am	Seats (Total: 31) TYD 0130 TYD 1108	Discussion
2204	Daniel Vincent TuTh 12:30pm - 1:45pm F 9:00am - 9:50am	Seats (Total: 31) TYD 0130 TYD 2110	Discussion

2205	Daniel Vincent TuTh 12:30pm - 1:45pm M 1:00pm - 1:50pm	Seats (Total: 31) TYD 0130 TLF 1101	Discussion
2206	Daniel Vincent TuTh 12:30pm - 1:45pm W 1:00pm - 1:50pm	Seats (Total: 31) TYD 0130 TYD 2108	Discussion
2207	Daniel Vincent TuTh 12:30pm - 1:45pm M 1:00pm - 1:50pm	Seats (Total: 31) TYD 0130 TYD 2102	Discussion
2208	Daniel Vincent TuTh 12:30pm - 1:45pm F 8:00am - 8:50am	Seats (Total: 31) TYD 0130 TYD 1108	Discussion
2209	Daniel Vincent TuTh 12:30pm - 1:45pm W 8:00am - 8:50am	Seats (Total: 31) TYD 0130 TYD 0101	Discussion
2210	Daniel Vincent TuTh 12:30pm - 1:45pm F 9:00am - 9:50am	Seats (Total: 31) TYD 0130 TYD 1118	Discussion
2211	Daniel Vincent TuTh 12:30pm - 1:45pm W 1:00pm - 1:50pm	Seats (Total: 31) TYD 0130 TYD 1108	Discussion
2212	Daniel Vincent TuTh 12:30pm - 1:45pm M 8:00am - 8:50am	Seats (Total: 31) TYD 0130 TYD 2110	Discussion
2213	Daniel Vincent TuTh 12:30pm - 1:45pm F 10:00am - 10:50am	Seats (Total: 31) TYD 0130 MMH 0108	Discussion
2214	Daniel Vincent TuTh 12:30pm - 1:45pm F 10:00am - 10:50am	Seats (Total: 31) TYD 0130 SYM 0215	Discussion

2302	Cindy Clement TuTh 9:30am - 10:45am M 1:00pm - 1:50pm	Seats (Total: 31) SKN 0200 TYD 1114	Discussion
2303	Cindy Clement TuTh 9:30am - 10:45am F 11:00am - 11:50am	Seats (Total: 31) SKN 0200 SYM 0215	Discussion
2304	Cindy Clement TuTh 9:30am - 10:45am W 1:00pm - 1:50pm	Seats (Total: 31) SKN 0200 TYD 0101	Discussion
2305	Cindy Clement TuTh 9:30am - 10:45am F 10:00am - 10:50am	Seats (Total: 31) SKN 0200 TYD 1114	Discussion
2306	Cindy Clement TuTh 9:30am - 10:45am F 11:00am - 11:50am	Seats (Total: 31) SKN 0200 COL 0100	Discussion
2307	Cindy Clement TuTh 9:30am - 10:45am W 10:00am - 10:50am	Seats (Total: 31) SKN 0200 TYD 1108	Discussion
2308	Cindy Clement TuTh 9:30am - 10:45am M 8:00am - 8:50am	Seats (Total: 31) SKN 0200 TYD 2108	Discussion
2401	Damyana Bakardzhieva TuTh 2:00pm - 3:15pm W 8:00am - 8:50am	Seats (Total: 30) JMZ 0220 TYD 1108	Discussion
2402	Damyana Bakardzhieva TuTh 2:00pm - 3:15pm F 8:00am - 8:50am	Seats (Total: 30) JMZ 0220 TYD 1114	Discussion
2403	Damyana Bakardzhieva TuTh 2:00pm - 3:15pm W 11:00am - 11:50am	Seats (Total: 30) JMZ 0220 TYD 2108	Discussion

2404	Damyana Bakardzhieva TuTh 2:00pm - 3:15pm F 9:00am - 9:50am	Seats (Total: 30) JMZ 0220 TYD 0102	Discussion
2405	Damyana Bakardzhieva TuTh 2:00pm - 3:15pm F 10:00am - 10:50am	Seats (Total: 30) JMZ 0220 TYD 0101	Discussion
2406	Damyana Bakardzhieva TuTh 2:00pm - 3:15pm F 11:00am - 11:50am	Seats (Total: 30) JMZ 0220 TYD 2106	Discussion

ECON200M **Principles of Micro-Economics**

ECON200M Principles of Micro-Economics; (4 credits) Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course.
Prerequisite: MATH110 or placement in MATH113/MATH115/MATH111. It is recommended that students complete ECON200 before taking ECON201. Restricted to students in the Markets and Society Program.

2301	Cindy Clement TuTh 9:30am - 10:45am F 10:00am - 10:50am	Seats (Total: 20) SKN 0200 TYD 2106	Discussion

ECON200S **Principles of Micro-Economics**

ECON200S Principles of Micro-Economics; (4 credits) Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course.
Prerequisite: MATH110 or placement in MATH113/MATH115/MATH111. It is recommended that students complete ECON200 before taking ECON201. Restricted to students in College Park Scholars - Business, Society and the Economy.

2301	Cindy Clement TuTh 9:30am - 10:45am F 10:00am - 10:50am	Seats (Total: 8) SKN 0200 TYD 2106	Discussion

ECON201 **Principles of Macro-Economics**

ECON201 Principles of Macro-Economics; (4 credits) Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course.
Prerequisite: MATH110 or placement in MATH113/MATH115/MATH111. It is recommended that students complete ECON200 before taking ECON201. Credit will be granted for only one of the following: ECON201 or ECON205. An introduction to the problems of unemployment, inflation, and economic growth. Emphasis on roles of monetary and fiscal policy in the conduct of macroeconomic policy.

1101	John Shea TuTh 2:00pm - 3:15pm F 10:00am - 10:50am	Seats (Total: 440) TYD 0130 TYD 0130	 Discussion
2101	Henry Terrell MW 2:00pm - 3:15pm F 11:00am - 11:50am	Seats (Total: 440) TYD 0130 TYD 0130	 Discussion

ECON300 **Methods and Tools for Economic Analysis**

ECON300 *(PermReq)* **Methods and Tools for Economic Analysis; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: By permission with ECON200, ECON201, and {MATH220 or MATH140} with a grade of 'C'(2.0) or better. For ECON majors only and permission of department. Not open to students who have completed MATH240 or MATH241.
Covers several mathematics techniques and demonstrates their application to a wide variety of models and problems in both microeconomic and macroeconomic analysis. Reviews concepts from algebra and elementary calculus and introduces components of multivariable calculus, linear algebra and differential equations.

0101	Peter Cramton TuTh 11:00am - 11:50am F 9:00am - 9:50am	Seats (Total: 30) MMH 1400 TYD 0111	 Discussion
0102	Peter Cramton TuTh 11:00am - 11:50am F 10:00am - 10:50am	Seats (Total: 30) MMH 1400 COL 0102	 Discussion
0103	Peter Cramton TuTh 11:00am - 11:50am F 11:00am - 11:50am	Seats (Total: 30) MMH 1400 TYD 0102	 Discussion

0104	Peter Cramton TuTh 11:00am - 11:50am F 12:00pm - 12:50pm	Seats (Total: 30) MMH 1400 TYD 1108	Discussion
0105	Peter Cramton TuTh 11:00am - 11:50am F 9:00am - 9:50am	Seats (Total: 30) MMH 1400 TLF 1103	Discussion
0106	Peter Cramton TuTh 11:00am - 11:50am F 10:00am - 10:50am	Seats (Total: 30) MMH 1400 KEY 1117	Discussion
0201	Giulia Cangiano TuTh 9:30am - 10:45am	Seats (Total: 40) TYD 2111	
0301	Alessandro Orfei MW 2:00pm - 3:15pm	Seats (Total: 40) PLS 1130	

ECON305 **Intermediate Macroeconomic Theory and Policy**

ECON305 Intermediate Macroeconomic Theory and Policy; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisites: ECON200, ECON201, and (MATH220 or MATH140). Not open to students who have completed ECON325. ECON majors are required to take ECON325. Credit will be granted for only one of the following: ECON305 or ECON325. Analysis of the determination of national income, employment, and price levels. Discussion of consumption, investment, inflation, and government fiscal and monetary policy.

0101	Henry Terrell MW 9:00am - 10:15am	Seats (Total: 90) CHE 2110	
0201	John Neri TuTh 12:30pm - 1:45pm	Seats (Total: 180) ARM 0131	

ECON306 **Intermediate Microeconomic Theory**

ECON306 Intermediate Microeconomic Theory; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisites: ECON200, ECON201, and (MATH220 or MATH140). Not open to students who have completed ECON326. ECON majors are required to take ECON326. Credit will be granted for only one of the following: ECON306 or ECON326. Analysis of the theories of consumer behavior and of the firm, market systems, distribution theory and the role of externalities.

0101	Charles Hulten MW 11:00am - 12:15pm	Seats (Total: 145) BPS 1250

ECON321 **Economic Statistics**

ECON321 Economic Statistics; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ECON200, ECON201, {MATH220 or MATH140} with a grade of 'C'(2.0) or better. For ECON majors only. Not open to students who have completed BMGT230 or BMGT231 (unless with department permission). Credit will be granted for only one of the following: BIOM301, BMGT230, ECON321, EDMS451, GEOG305, GVPT422, PSYC200, or SOCY201. Introduction to the use of statistics in economics. Topics include: Probability, random variables and their distributions, sampling theory, estimation, hypothesis testing, analysis of variance, regression analysis and correlation.

0101	Alka Gandhi TuTh 8:00am - 9:15am	Seats (Total: 40) PHY 1402
0201	Alka Gandhi TuTh 9:30am - 10:45am	Seats (Total: 180) CHM 1407
0301	Bingjie Hu MW 2:00pm - 3:15pm	Seats (Total: 40) TYD 2111

ECON325 **Intermediate Macroeconomic Analysis**

ECON325 Intermediate Macroeconomic Analysis; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ECON300 with a grade of 'C' (2.0) or better. For ECON majors only. Credit will be granted for only one of the following: ECON305 (not accepted for major requirements) or ECON325. Analysis of macroeconomic behavior and policy with emphasis on theoretical rigor. Topics include the determinants of economic growth, unemployment, inflation, and international economic flows.

0101	Sanjay Chugh MW 11:00am - 11:50am Th 8:00am - 8:50am	Seats (Total: 30) HJP 0226 TYD 0101	Discussion
0102	Sanjay Chugh MW 11:00am - 11:50am Th 8:00am - 8:50am	Seats (Total: 30) HJP 0226 TYD 1108	Discussion
0103	Sanjay Chugh MW 11:00am - 11:50am F 9:00am - 9:50am	Seats (Total: 30) HJP 0226 TLF 1101	Discussion
0104	Sanjay Chugh MW 11:00am - 11:50am F 11:00am - 11:50am	Seats (Total: 30) HJP 0226 TYD 2108	Discussion
0105	Sanjay Chugh MW 11:00am - 11:50am F 11:00am - 11:50am	Seats (Total: 30) HJP 0226 TYD 1114	Discussion
0106	Sanjay Chugh MW 11:00am - 11:50am F 9:00am - 9:50am	Seats (Total: 30) HJP 0226 TYD 2108	Discussion
0201	Allan Drazen TuTh 11:00am - 11:50am F 10:00am - 10:50am	Seats (Total: 25) ARM 0135 TYD 0111	Discussion
0202	Allan Drazen TuTh 11:00am - 11:50am F 1:00pm - 1:50pm	Seats (Total: 25) ARM 0135 TYD 1132	Discussion

0203	Allan Drazen TuTh 11:00am - 11:50am F 1:00pm - 1:50pm	Seats (Total: 25) ARM 0135 TYD 0101	Discussion
0204	Allan Drazen TuTh 11:00am - 11:50am F 11:00am - 11:50am	Seats (Total: 25) ARM 0135 TYD 0101	Discussion
0205	Allan Drazen TuTh 11:00am - 11:50am F 11:00am - 11:50am	Seats (Total: 25) ARM 0135 HBK 0109	Discussion
0206	Allan Drazen TuTh 11:00am - 11:50am F 9:00am - 9:50am	Seats (Total: 25) ARM 0135 SKN 1115	Discussion

ECON326 **Intermediate Microeconomic Analysis**

ECON326 Intermediate Microeconomic Analysis; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ECON300 with a grade of 'C' (2.0) or better. For ECON majors only. Credit will be granted for only one of the following: ECON306 (not accepted for major requirements) or ECON326. Analysis of economic decision-making by individual buyers and sellers, and resulting market outcomes, with emphasis on theoretical rigor. The efficient properties of perfect competition are examined, followed by consideration of market power, externalities, and asysmetric information.

0101	John Ham TuTh 2:00pm - 2:50pm F 9:00am - 9:50am	Seats (Total: 30) TYD 0117 WDS 0104	Discussion
0105	John Ham TuTh 2:00pm - 2:50pm F 10:00am - 10:50am	Seats (Total: 30) TYD 0117 WDS 1114	Discussion
0106	John Ham TuTh 2:00pm - 2:50pm F 11:00am - 11:50am	Seats (Total: 30) TYD 0117 MMH 0108	Discussion

0201	Jeanne Lafortune TuTh 9:30am - 10:20am F 9:00am - 9:50am	Seats (Total: 30) JMP 3201 TYD 1132	Discussion
0202	Jeanne Lafortune TuTh 9:30am - 10:20am F 10:00am - 10:50am	Seats (Total: 30) JMP 3201 TYD 0102	Discussion
0203	Jeanne Lafortune TuTh 9:30am - 10:20am F 11:00am - 11:50am	Seats (Total: 30) JMP 3201 TYD 1118	Discussion
0301	John Ham TuTh 12:00pm - 12:50pm F 9:00am - 9:50am	Seats (Total: 27) TYD 1102 MMH 3418	Discussion
0302	John Ham TuTh 12:00pm - 12:50pm F 10:00am - 10:50am	Seats (Total: 27) TYD 1102 ARM 0103	Discussion
0303	John Ham TuTh 12:00pm - 12:50pm F 11:00am - 11:50am	Seats (Total: 26) TYD 1102 ARM 0121	Discussion

ECON330 **Money and Banking**

ECON330 Money and Banking; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: ECON200 and ECON201.* The structure of financial institutions and their role in the provision of money and near money. Analysis of the Federal Reserve System, the techniques of central banks, and the control of supply of financial assets in stabilization policy. Relationship of money and credit to economic activity and the price level.

0101	John Neri TuTh 9:30am - 10:45am	Seats (Total: 270) TYD 0130	

ECON340 **International Economics**

ECON340 International Economics; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: ECON200 and ECON201. Credit will be granted for only one of the following: ECON340 or ECON441.* Covers economic models of international transactions, exchange rates, and balance of payments. Analysis of policies of protection, devaluation, and exchange rate stabilization and their consequences.

0301	Damyana Bakardzhieva TuTh 12:30pm - 1:45pm	Seats (Total: 40) TYD 2111
0501	Didem Tuzemen MW 9:30am - 10:45am	Seats (Total: 40) TYD 0111

ECON375 **Economics of Poverty and Discrimination**

ECON375 Economics of Poverty and Discrimination; (3 credits) Grade Method: REG/P-F/AUD. CORE Diversity (D) Course.
Prerequisites: (ECON200 and ECON201) or ECON205. The causes of the persistence of low income groups; the relationship of poverty to technological change, to economic growth, and to education and training; economic results of discrimination; proposed remedies for poverty and discrimination.

0101	Laura Tiehen TuTh 8:00am - 9:15am	Seats (Total: 40) TYD 1132

ECON386 **Experiential Learning**

ECON386 *(PermReq)* **Experiential Learning; (3 credits)** Grade Method: S-F. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: ECON200, ECON201, and cumulative GPA > 2.75; and permission of department. Junior standing. For ECON majors only. See Department Advising Office for course eligibility, course requirements, and application information.

Contact department for information to register for this course.

ECON397 **Honors Thesis**

ECON397 *(PermReq)* **Honors Thesis; (3 credits)** Grade Method: REG/P-F/AUD. *Prerequisites: ECON396 and candidacy for honors in economics.* General supervision will be provided through assembled meetings with the professor in charge of the course.

0101	Carlos Vegh Tu 2:00pm - 4:45pm	Seats (Total: 25) TYD 2108

ECON398C **Topics in Economics; Policies for International Development**

ECON398C Topics in Economics: Policies for International Development; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisites: ECON200 and ECON201. For majors only.

0101	Naveen Sarna TuTh 5:00pm - 6:15pm	Seats (Total: 40) TYD 2102
0201	Naveen Sarna TuTh 3:30pm - 4:45pm	Seats (Total: 40) TYD 1102

ECON398E **Topics in Economics; Environmental Economics**
Contact department for information to register for this course.

ECON398K **Topics in Economics; Competitive Market Structures**
Contact department for information to register for this course.

ECON398L **Topics in Economics; The British Economy and Financial System**
Contact department for information to register for this course.

ECON398M **Topics in Economics; Economics of Employment**
Contact department for information to register for this course.

ECON398Z **Topics in Economics; Business Economics**
Contact department for information to register for this course.

ECON399 **Individual Readings and Research For Undergraduates**

ECON399 *(PermReq)* **Individual Readings and Research For Undergraduates; (3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Permission of instructor must be arranged in advance. Open only to students who have previously earned 6 or more credits in upper division economics courses.

Contact department for information to register for this course.

ECON399M **Individual Readings and Research For Undergraduates; Economy and Society**
Contact department for information to register for this course.

ECON401 **Current Issues in American Economic Policy**

ECON401 Current Issues in American Economic Policy; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ECON326 with a grade of 'C' or better (or ECON306 by permission of department). For ECON majors only. Analysis of current economic problems and public policies. Inflation, unemployment, market power, government regulation, poverty and distribution of income, federal budget and tax policy, environment.

0101	John Sabelhaus	Seats (Total: 40)
	MW 5:00pm - 6:15pm	TYD 1114

ECON402 **Macroeconomic Models and Forecasting**

ECON402 Macroeconomic Models and Forecasting; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ECON325 with a grade of 'C' (2.0) or better (ECON305 by permission of department). For ECON majors only. Analysis of the fluctuations in economic activity and the formulation and use of forecasting models of the economy. Illustrations of computer macro models and forecasting problems.

0101	Douglas Meade	Seats (Total: 36)
	TuTh 3:30pm - 4:45pm	PLS 1129

ECON407 **Advanced Macroeconomics**

ECON407 Advanced Macroeconomics; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: ECON325 with a grade of 'C' (2.0) or better (or ECON305 by permission of department). For ECON majors only.* An in-depth analysis of current issues in macroeconomic theory and policy. Topics covered include: 1. alternative perspectives on macroeconomics including monetarism, new classical equilibrium models, rational expectations, and real business cycle models; 2. long term growth, the slowdown in productivity growth, and concerns about U.S. competitiveness; 3. the effectiveness of macroeconomic policy in an open economy; 4. the effects of finance on the real sector.

0101	Jose Tessada TuTh 11:00am - 12:15pm	Seats (Total: 40) TYD 2106
0201	Jose Tessada TuTh 9:30am - 10:45am	Seats (Total: 40) TYD 0102

ECON412 **Economic History and Modern Development**

ECON412 Economic History and Modern Development; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ECON325 and ECON326 with a grade of 'C' (2.0) or better (or ECON306 and ECON305 by permission). For ECON majors only. Analysis of major economic, political, and social change in the developed world since 1800. This includes factors contributing to increases in economic performance, changes in the form of government, technological change (including industrialization), and integration and disintegration of the global economy. Emphasis is on institional changes in how societies organize economic and political activities.

0201	John Wallis MW 2:00pm - 3:15pm	Seats (Total: 40) TYD 1108

ECON414 **Game Theory**

ECON414 Game Theory; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ECON326 with a grade of 'C' or better (or ECON306 by permission of department). For ECON majors only. Not open to students who have completed GVPT399A. Credit will be granted for only one of the following: ECON414 or GVPT399A. Studies the competitive and cooperative behavior that results when several parties with conflicting interests must work together. Learn how to use game theory to analyze situations of potential conflict. Applications are drawn from economics, business, and political science.

0401	Terence Johnson MW 2:00pm - 3:15pm	Seats (Total: 40) ARM 0119

ECON416 **Theory of Economic Development**

ECON416 Theory of Economic Development; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ECON325 (or ECON305 by permission of department) and ECON321 with a grade of 'C' (2.0) or better. For ECON majors only. Credit will be granted for only one of the following: ECON315 or ECON416. Economic theory of the developing nations; role of innovation, capital formation, resources, institutions, trade and exchange rates, and governmental policies.

0201	Jeffrey Werling TuTh 2:00pm - 3:15pm	Seats (Total: 40) TYD 2106
0301	Sandeep Singh TuTh 9:30am - 10:45am	Seats (Total: 40) TYD 2110
0401	Raymond Guiteras MW 10:00am - 11:15am	Seats (Total: 40) TYD 1132
0501	Quynh Nguyen MW 11:00am - 12:15pm	Seats (Total: 40) TYD 0102

ECON422 **Econometrics I**

ECON422 Econometrics I; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisites: ECON321 (or STAT400) with a grade of 'C' (2.0) or better. For ECON majors only. Emphasizes the interaction between economic problems and the assumptions employed in statistical theory. Formulation, estimation, and testing of economic models, including single variable and multiple variable regression techniques, theory of identification, and issues relating to inference.

0101	Razvan Vlaicu TuTh 2:00pm - 3:15pm	Seats (Total: 49) TYD 0111
0201	John Chao TuTh 9:30am - 10:45am	Seats (Total: 45) EGR 0110

ECON423 **Econometrics II**

ECON423 Econometrics II; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ECON422. For ECON majors only. Interaction between economic problems and specification and estimation of econometric models. Topics include issues of autocorrelation, heteroscedasticity, functional form, simultaneous equation models, and qualitative choice models.

0101	Maureen Cropper MW 2:00pm - 3:15pm	Seats (Total: 40) TYD 1118

ECON424 **Computer Methods in Economics**

ECON424 Computer Methods in Economics; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ECON325 and ECON326 (or ECON305 and ECON306 by permission of department) and ECON321 with a grade of 'C' (2.0) or better. For ECON majors only. Database development from Internet and other sources, research methods, and statistical analysis in economics using EXCEL and SAS.

0101	Amy Knaup TuTh 8:00am - 9:15am	Seats (Total: 36) PLS 1129
0201	Tamara Hayford TuTh 9:30am - 10:45am	Seats (Total: 36) PLS 1129

ECON435 **Financial Markets and the Macroeconomy**

ECON435 Financial Markets and the Macroeconomy; (3 credits) Grade Method: REG/P-F/AUD.
Finance majors will not receive credit for ECON435. Prerequisite: ECON326 with a grade of 'C' (2.0) or better (or ECON306 by permission of department). For ECON majors only. Not open to students who have completed BMGT343 (for credit). Credit will be granted for only one of the following: BMGT343 or ECON435. Formerly ECON398F. The different types of financial assets that exist, the markets that they trade in, and the determination of their prices and rates of return are examined. Specific topics that will be covered include the Markowitz portfolio selection model, the capital asset pricing model, the arbitrage pricing theory, the efficient markets hypothesis, the term structure of interest rates, and options. There will be almost no emphasis on issues in corporate finance.

0101	Damyana Bakardzhieva TuTh 11:00am - 12:15pm	Seats (Total: 40) TYD 0102
0201	Ha Nguyen TuTh 3:30pm - 4:45pm	Seats (Total: 40) SKN 0104
0301	Anton Korinek TuTh 2:00pm - 3:15pm	Seats (Total: 40) TYD 1132

ECON441 **Theory of International Economics**

ECON441 Theory of International Economics; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ECON325 and ECON326 with a grade of 'C' (2.0) or better (or ECON305 and ECON306 by permission of department). For ECON majors only. Not open to students who have completed ECON340. Credit will be granted for only one of the following: ECON340 or ECON441. Theoretical treatment of international trade and international finance. Includes Ricardian and Heckscher-Ohlin theories of comparative advantage, analysis of tariffs and other trade barriers, international factor mobility, balance of payments adjustments, exchange rate determination, and fiscal and monetary policy in an open economy.

0101	Fernando Im TuTh 11:00am - 12:15pm	Seats (Total: 40) TYD 1108

0301	Sebastian Miller TuTh 9:30am - 10:45am	Seats (Total: 40) TYD 0117

ECON454 **Public Finance and Public Policy**

ECON454 Public Finance and Public Policy; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ECON326 with a grade of 'C' (2.0) or better (or ECON306 by permission of department). For ECON majors only. Credit will be granted for only one of the following: ECON350 or ECON454. Study of welfare economics and the theory of public goods, taxation, public expenditures, benefit-cost analysis, and state and local finance. Applications of theory to current policy issues.

0101	Charles Hulten MW 2:00pm - 3:15pm	Seats (Total: 40) TYD 2102
0102	Mark Duggan MW 11:00am - 12:15pm	Seats (Total: 40) TYD 1118
0103	Jessica Hennessey MW 10:00am - 11:15am	Seats (Total: 40) TYD 2102

ECON456 **Law and Economics**

ECON456 Law and Economics; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ECON326 with a grade of 'C' (2.0) or better (or ECON306 by permission of department). For ECON majors only. Relationship of the exchange process to the system of institutions and rules that society develops to carry out economic transactions. Topics covered include: Property rights; torts, negligence, and liability; contracts and exchanges; criminal control and enforcement; equity issues in the rule and market environment.

0101	David Givens TuTh 2:00pm - 3:15pm	Seats (Total: 40) TYD 2109

ECON460 **Industrial Organization**

ECON460 Industrial Organization; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ECON326 with a grade of 'C' (2.0) or better (or ECON306 by permission of department). For ECON majors only. Changing structure of the American economy; price policies in different industrial classifications of monopoly and competition in relation to problems of public policy.

0101	Li Tang TuTh 2:00pm - 3:15pm	Seats (Total: 40) TYD 1114

ECON461 **Economics of Regulation and Anti-trust**

ECON461 Economics of Regulation and Anti-trust; (3 credits) Grade Method: REG.
Prerequisite: ECON326 with a grade of 'C' (2.0) or better (or ECON306 by permission of department). For ECON majors only. Credit will be granted for only one of the following: ECON398R or ECON461. Formerly ECON398R. Considers government intervention in economic activity of three types: antitrust policy, regulation of natural monopolies, and health safety regulation. Covers theoretical models, real-world policy applications, and empirical studies relevant to the impact of regulation.

0101	Cindy Clement TuTh 12:30pm - 1:45pm	Seats (Total: 40) TYD 0101

ECON470 **Theory of Labor Economics**

ECON470 Theory of Labor Economics; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ECON326 with a grade of 'C' (2.0) or better (or ECON306 by permission of department). For ECON majors only. Credit will be granted for only one of the following: ECON370 or ECON470. An analytical treatment of theories of labor markets. Marginal productivity theory of labor demand; allocation of time in household labor supply models; theory of human capital; earnings differentials; market structure and the efficiency of labor markets; the role of trade unions; discrimination; and unemployment.

0102	Yeon Kim MW 2:00pm - 3:15pm	Seats (Total: 40) MCB 1207
0103	Keith Bergstresser TuTh 11:00am - 12:15pm	Seats (Total: 40) TYD 1114

ECON481 **Theory and Policy in Environmental Economics**

ECON481 Theory and Policy in Environmental Economics; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ECON326 with a grade of 'C' (2.0) or better (or ECON306 by permission of department). For ECON and ENSP majors only. Credit will be granted for only one of the following: ECON381 or ECON481. Formerly ECON381. Application of economic theory and empirical tools to the analysis of environmental issues. The concepts of externalities, public goods, property rights and cost-benefit analysis are applied to air pollution, water pollution, solid waste management, hazardous waste, and global warning. The optimal role and various tools of public policy are addressed.

0101	Wallace Oates	Seats (Total: 40)	
	TuTh 2:00pm - 3:15pm	TYD 0102	

ECON602 **Macroeconomic Analysis II**

ECON602 *(PermReq)* **Macroeconomic Analysis II; (3 credits)** Grade Method: REG/AUD.
Prerequisite: ECON 601 or permission of department. Further issues regarding macroeconomic topics. First half emphasis will be placed on dynamic macroeconomic theory as pertaining to monetary issues, policy ineffectiveness and effectiveness. The second half of the course will focus on theories of investment and growth.

0101	Sadik Aruoba, John Haltiwanger	Seats (Total: 48)	
	MW 9:30am - 10:45am	TYD 0117	
	M 5:00pm - 7:15pm	TYD 2108	Discussion

ECON604 **Microeconomic Analysis II**

ECON604 *(PermReq)* **Microeconomic Analysis II; (3 credits)** Grade Method: REG/AUD.
Prerequisite: ECON 603 or permission of department. Analysis of markets and market equilibria; the Arrow-Debreu model of general equilibrium, the two-sector model, welfare theorems, externalities, public goods, markets with incomplete and asymmetric information.

0101	Daniel Vincent, Erkut Ozbay TuTh 2:00pm - 3:15pm F 12:00pm - 2:30pm	Seats (Total: 35) TYD 0101 TYD 2111	 Discussion
0201	Erkut Ozbay, Daniel Vincent TuTh 11:00am - 12:15pm F 12:00pm - 2:30pm	Seats (Total: 35) TYD 2110 TYD 0111	 Discussion

ECON616 **Seminar in Economic Development**

ECON616 *(PermReq)* **Seminar in Economic Development; (3 credits)** Grade Method: REG/AUD.
Prerequisite: ECON 615 or ECON 415. Current topics in economic development. Special emphasis on application of theory and research techniques to special problems or countries.

0101	Jeanne Lafortune TuTh 2:00pm - 3:15pm	Seats (Total: 30) MMH 0108

ECON624 **Econometrics II**

ECON624 *(PermReq)* **Econometrics II; (3 credits)** Grade Method: REG/AUD.
Prerequisite: ECON 623 or permission of department. A continuation of ECON623. Topics include: Nonlinear models and nonlinear estimation methods (generalized method of moments and maximum likelihood estimation), panel data models, univariate dynamic models, multivariate dynamic models including simultaneous equation models, and non-parametric/semiparametric estimation methods. The course will also provide instructions on the use of a major statistical package such as Stata or TSP.

0101	Ingmar Prucha, John Chao TuTh 12:30pm - 1:45pm Th 3:30pm - 5:00pm	Seats (Total: 30) TYD 2110 TYD 2110	 Discussion

ECON625 **Computational Economics**

ECON625 *(PermReq)* **Computational Economics; (3 credits)** Grade Method: REG/AUD.
Prerequisite: ECON 604 and ECON 622; or ECON 721. Credit will be granted for only one of the following: ECON 625 or ECON 698R. Formerly ECON698R. A one-semester course designed to give students tools for numerical dynamic programming and computation of related general equilibrium and game-theoretic problems.

0101	John Rust	Seats (Total: 30)
	TuTh 9:30am - 10:45am	TYD 1118

ECON661 **The Corporate Firm**

ECON661 *(PermReq)* **The Corporate Firm; (3 credits)** Grade Method: REG/AUD.
Prerequisites: ECON 603 and ECON 604. This course examines firms' strategic behavior in a variety of settings and considers theories of the firm and industrial structure. Topics may include product choice, quality, advertising, consumer search and switch costs, manufacturer-retailer relations, manufacturer-supplier relations, vertical integration, and alternative industrial structures.

0101	Emel Filiz Ozbay	Seats (Total: 20)
	TuTh 11:00am - 12:15pm	JMZ 1103

ECON698 **Selected Topics in Economics**

ECON698 *(PermReq)* **Selected Topics in Economics; (3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ECON702 **Advanced Macroeconomics II**

ECON702 *(PermReq)* **Advanced Macroeconomics II; (3 credits)** Grade Method: REG/AUD.
Prerequisites: ECON601 and ECON602. Selected issues in monetary economics with an equal emphasis of learning the models and understanding important issues: a survey of models (cash-in-advance, money-in-the-utility-function, transaction cost, search-based models), empirical issues in monetary economics, business cycles and money, monetary policy, welfare cost of inflation, alternative media of exchange.

0101	Pablo D'Erasmo, Sadik Aruoba MW 2:00pm - 3:15pm	Seats (Total: 20) TYD 1114

ECON704 **Advanced Microeconomics II**

ECON704 *(PermReq)* **Advanced Microeconomics II; (3 credits)** Grade Method: REG/AUD.
Prerequisites: ECON 603 and ECON 604. This is the second half of a two-semester sequence in Advanced Microeconomics, intended for second-year Ph.D. students. The course material varies from year-to-year, but currently it focuses on auction theory, matching theory, and the relationship between matching and auction theory. Other topics that are treated in some years include: sequential bargaining under incomplete information; and equilibrium refinements.

0101	Lawrence Ausubel TuTh 2:00pm - 3:15pm	Seats (Total: 20) TYD 2102

ECON708 **Advanced Topics in Applied and Theoretical Microeconomics**

ECON708 *(PermReq)* **Advanced Topics in Applied and Theoretical Microeconomics; (2 credits)** Grade Method: REG/AUD.

0101	Emel Filiz Ozbay MW 12:30pm - 1:45pm	Seats (Total: 15) TYD 0111
0201	Wallace Oates MW 12:30pm - 1:45pm	Seats (Total: 15) PLS 1168
0301	Ingmar Prucha MW 12:30pm - 1:45pm	Seats (Total: 15) ASY 3221
0401	Erkut Ozbay MW 12:30pm - 1:45pm	Seats (Total: 15) ASY 3215
0501	Daniel Vincent MW 12:30pm - 1:45pm	Seats (Total: 15) HBK 0123

ECON709 **Advanced Topics in Applied and Theoretical Macroeconomics**

ECON709 *(PermReq)* **Advanced Topics in Applied and Theoretical Macroeconomics; (2 credits)** Grade Method: REG/AUD.

0101	Sanjay Chugh TuTh 12:30pm - 1:45pm	Seats (Total: 10) JMZ 3122
0201	Anton Korinek TuTh 12:30pm - 1:45pm	Seats (Total: 15) JMZ 3118
0301	Enrique Mendoza TuTh 12:30pm - 1:45pm	Seats (Total: 15) ARC 1127
0401	Razvan Vlaicu TuTh 12:30pm - 1:45pm	Seats (Total: 10) ARC 1121

ECON722 **Econometrics IV**

ECON722 *(PermReq)* **Econometrics IV; (3 credits)** Grade Method: REG/AUD. *Prerequisite: ECON624 or permission of department.* Oriented towards micro-econometric methods. Topics covered will be selected from the following: Further discussion of topics covered in ECON624, binary and multinomial response models, censored and truncated regression models, sample selection models, count data models, duration models program evaluation and treatment effects methods, structural econometrics, the identification problem, stratified and clustered samples, spatial/cross sectional dependence models, dynamic panel data models, weak instruments, non-parametric estimation, boot strap and Jack Knife methods, pre-test estimators.

0101	Ingmar Prucha, Francis Vella Tu 5:00pm - 6:15pm Th 5:00pm - 7:30pm *The extended meeting time on Thursday will begin on January 29th and will end on March 26th.*	Seats (Total: 30) TYD 0111 TYD 1102

ECON742 **Advanced International Economics II**

ECON742 *(PermReq)* **Advanced International Economics II; (3 credits)** Grade Method: REG/AUD.
Prerequisite: ECON 603 or permission of department. Comparative advantage, Heckscher-Ohlin theory, specific-factors model, empirical verification, economies of scale, imperfect competition, commercial policy, factor mobility.

0101	Nuno Limao	Seats (Total: 20)
	MW 11:00am - 12:15pm	LEF 1221

ECON743 **Topics in International Finance**

ECON743 *(PermReq)* **Topics in International Finance; (3 credits)** Grade Method: REG/AUD.
Prerequisite: ECON 602 or permission of department. Recommended: ECON 741. Puzzles in international finance; portfolio balance, current account dynamics, exchange rate behavior; capital market imperfections; balance of payments crises.

0101	Carmen Reinhart	Seats (Total: 20)
	Tu 3:30pm - 6:15pm	WDS 1130

ECON744 **Business Cycle Theory of Emerging Economies**

ECON744 *(PermReq)* **Business Cycle Theory of Emerging Economies; (3 credits)** Grade Method: REG/AUD.
Prerequisite: ECON 602 and ECON 604. Credit will be granted for only one of the following: ECON 698M or ECON 744. Formerly ECON698M. An advanced course in International Economics that studies business cycle theory for emerging economies. It develops a set of quantitative tools for studying the determinants of international capital flows and their business cycle implications, with emphasis on the "Sudden Stop" phenomenon of emerging-markets crises. The course blends elements of real business cycle theory, international finance and equilibrium asset pricing theory and it relies heavily on recursive macroeconomic theory. Familiarity with computing software and the techniques covered in a course on computational economics are also useful, but not required in advance.

0101	Enrique Mendoza	Seats (Total: 20)
	MW 9:30am - 10:45am	TYD 2110

ECON747 **The Macreconomics of Imperfect Capital Markets**

ECON747 *(PermReq)* **The Macreconomics of Imperfect Capital Markets; (3 credits)** Grade Method: REG/AUD.
Prerequisite: ECON601 and ECON602, or ECON603 and ECON604, or permission of department. For ECON majors only. Credit will be granted for only one of the following: ECON698K or ECON747. Formerly ECON698K. After a brief overview of the micro-foundations of capital market imperfections, topics include limited commitment, the financial accelerator, liquidity, bubles, crises, the role of credit in monetary economics as well as international capital flows.

0101	Anton Korinek	Seats (Total: 20)
	TuTh 11:00am - 12:15pm	ARM 0121

ECON752 **Public Economics II**

ECON752 *(PermReq)* **Public Economics II; (3 credits)** Grade Method: REG/AUD.
Prerequisite: ECON 751. Theoretical and empirical issues in taxation, with particular emphasis on income taxation.

0101	Melissa Kearney	Seats (Total: 20)
	MW 2:00pm - 3:15pm	JMZ 2125

ECON757 **Topics in Political Economy II**

ECON757 *(PermReq)* **Topics in Political Economy II; (3 credits)** Grade Method: REG/AUD.
Prerequisite: ECON602, ECON604, or permission of department. Recommended: ECON754. A continuation of ECON754 Topics in Political Economy I. Topics will include: the informational role of special interest groups; campaign finance, including welfare analysis of campaign finance reform; advanced models of the political economy of redistribution, with emphasis on inefficient redistribution, intergenerational redistribution, and "pork barrel" politics; fairness and redistributive politics; the effects of alternative electoral systems; theoretical models of parliamentary democracies, government formation and political parties; accountability of government officials; and the political economy of federalism.

0101	Razvan Vlaicu	Seats (Total: 20)
	TuTh 9:30am - 10:45am	JMZ 2207

ECON772 **Population Economics**

ECON772 *(PermReq)* **Population Economics; (3 credits)** Grade Method: REG/AUD.
Prerequisite: ECON 771 or permission of department. Covers the central ideas in population economics. These include theories and test of theories of mortality, fertility and immigration.

0101	Soohyung Lee MW 9:30am - 10:45am	Seats (Total: 20) TYD 2111

ECON781 **Environmental Economics**

ECON781 *(PermReq)* **Environmental Economics; (3 credits)** Grade Method: REG/AUD.
Prerequisites: ECON 603 and ECON 604; and (ECON 621 or ECON 624). The study of economics as it applies to environmental issues and policies. Topics include: the theory of externalities and its implications, the design of environmental policies with applications, open-economy environmental economics encompassing the impact of international trade on the environment and global environmental management, and the measurement of the benefits and costs of environmental programs.

0101	Maureen Cropper MW 11:00am - 12:15pm	Seats (Total: 20) TYD 1114

ECON799 **Master's Thesis Research**

ECON799 Master's Thesis Research; (1-6 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ECON808 **Workshop on Macroeconomics and Growth**

ECON808 *(PermReq)* **Workshop on Macroeconomics and Growth; (2 credits)** Grade Method: S-F/AUD.
ECON graduate students only.

0101	Sanjay Chugh W 3:30pm - 6:00pm	Seats (Total: 20) TYD 0117
0201	Anton Korinek W 3:30pm - 6:00pm	Seats (Total: 20) WDS 1127

ECON828 **Workshop in Econometrics**

ECON828 Workshop in Econometrics; (2 credits) Grade Method: S-F/AUD.

0101	Ingmar Prucha M 3:30pm - 6:00pm	Seats (Total: 20) TYD 1132

ECON848 **Workshop in International Development, and Comparative Economics**

ECON848 *(PermReq)* **Workshop in International Development, and Comparative Economics; (2 credits)** Grade Method: S-F/AUD.
ECON graduate students only.

0101	Razvan Vlaicu M 3:30pm - 6:00pm	Seats (Total: 30) TYD 2102

ECON868 **Workshop in Industrial Organization**

ECON868 *(PermReq)* **Workshop in Industrial Organization; (2 credits)** Grade Method: S-F/AUD.
ECON graduate students only.

0101	Emel Filiz Ozbay Tu 3:30pm - 6:00pm	Seats (Total: 20) TYD 2110

ECON878 **Workshop in Labor Economics**

ECON878 *(PermReq)* **Workshop in Labor Economics; (2 credits)** Grade Method: S-F/AUD.
ECON graduate students only.

0101	Wallace Oates W 3:30pm - 6:00pm	Seats (Total: 30) TYD 2110
0201	John Ham W 3:30pm - 6:00pm	Seats (Total: 30) MMH 3418

ECON888 **Workshop in Comparative Institutional Economics**

ECON888 Workshop in Comparative Institutional Economics; (2 credits) Grade Method: REG/AUD.

0101	John Wallis M 3:30pm - 6:00pm	Seats (Total: 20) TYD 1118

ECON898 **Pre-Candidacy Research**

ECON898 *(PermReq)* **Pre-Candidacy Research; (1-8 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ECON899 **Doctoral Dissertation Research**

ECON899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDCI Curriculum and Instruction Spring 2009

EDCI280 **Introduction to Teaching**

EDCI280 Introduction to Teaching; (3 credits) Grade Method: REG. Development of conceptual understanding of the teaching-learning process. Seminar to coordinate on-and off-campus experiences. Two hours each week on campus with an arranged six hours each week in schools.

0101	Tommy Totten Th 2:00pm - 3:50pm Th 9:00am - 12:00pm	Seats (Total: 30) EDU 2212 Location: TBA	 Lab
0201	Summer Clark W 2:00pm - 3:50pm W 9:00am - 12:00pm	Seats (Total: 30) EDU 3315 Location: TBA	 Lab

EDCI288E **Special Topics in Teacher Education; Developmental Heuristics**

EDCI288E Special Topics in Teacher Education: Developmental Heuristics; (3 credits) Grade Method: REG/P-F/AUD.

0101	Tilahun Beyene Contact instructor or department for details.	Seats (Total: 150)

EDCI288G **Special Topics in Teacher Education; Exploring High School Teaching**

EDCI288G Special Topics in Teacher Education: Exploring High School Teaching; (2 credits) Grade Method: REG/P-F/AUD.
Participation as volunteer tutor at Blair H.S. in MCPS on Monday, Tuesday, Wednesday, or Thursday is designated by the discussion listing. Transportation is NOT provided. First meeting is Friday, January 30th, in the Benjamin building.

0101	Stacy Pritchett, Lisa Katz F 10:30am - 12:30pm M 10:30am - 12:30pm	Seats (Total: 12) TYD 1102 Location: TBA	Discussion
0102	Lisa Katz, Stacy Pritchett F 10:30am - 12:30pm Tu 10:30am - 12:30pm	Seats (Total: 12) TYD 1102 Location: TBA	Discussion
0103	Stacy Pritchett, Lisa Katz F 10:30am - 12:30pm W 10:30am - 12:30pm	Seats (Total: 12) TYD 1102 Location: TBA	Discussion
0104	Stacy Pritchett, Lisa Katz F 10:30am - 12:30pm Th 10:30am - 12:30pm	Seats (Total: 12) TYD 1102 Location: TBA	Discussion

EDCI288L **Special Topics in Teacher Education; Exploring Teaching as a Career**

EDCI288L Special Topics in Teacher Education: Exploring Teaching as a Career; (1 credit) Grade Method: REG/P-F/AUD.

0101	Erica Johnson, Nathanael Rudolph W 6:00pm - 8:00pm	Seats (Total: 25) EDU 0206

EDCI288M **Special Topics in Teacher Education; Exploring Teaching in America Counts**

EDCI288M Special Topics in Teacher Education: Exploring Teaching in America Counts; (1 credit) Grade Method: REG/P-F/AUD.
Prerequisite: Application and brief interview: http://www.arac.umd.edu/becom_mentor.shtml. Six hours each week in local elementary school working with 4th graders in after-school math program. Transportation frovided. Class will meet on campus 5 times during the semester.

0101	Katie Conlon, Jessica Bancroft W 5:00pm - 7:00pm	Seats (Total: 20) Location: TBA

EDCI288N **Special Topics in Teacher Education; Exploring Teaching in America Reads**

EDCI288N Special Topics in Teacher Education: Exploring Teaching in America Reads; (1 credit) Grade Method: REG/P-F/AUD.
Prerequisite: Application and brief interview: http://www.arac.umd.edu/become_mentor.shtml. Six hours each week in local elementary school working with 1st-2nd graders in reading/writing program. Transportation provided. Class will meeton campus 5 times during the semester.

0101	Katie Conlon, Jessica Bancroft W 5:00pm - 7:00pm	Seats (Total: 20) Location: TBA

EDCI288T **Special Topics in Teacher Education; Internship in Informal Science Education**

EDCI288T *(PermReq)* **Special Topics in Teacher Education: Internship in Informal Science Education; (1 credit)** Grade Method: REG/P-F/AUD.

0101	James McGinnis Contact instructor or department for details.	Seats (Total: 30)

EDCI288X **Special Topics in Teacher Education; Introduction to Teaching History**

EDCI288X *(PermReq)* **Special Topics in Teacher Education: Introduction to Teaching History; (1 credit)** Grade Method: REG/P-F/AUD.
Restricted to students who are registered in HIST157 sections 0201-0212, or by permission of instructor.

0101	Bruce VanSledright Th 2:00pm - 3:15pm	Seats (Total: 25) TLF 2103

EDCI298 **Special Problems in Teacher Education**

EDCI298 *(PermReq)* **Special Problems in Teacher Education; (1-6 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDCI301 **Teaching Art in the Elementary School**

EDCI301 Teaching Art in the Elementary School; (3 credits) Grade Method: REG/P-F/AUD.
For elementary and pre-elementary education majors only. Not open to art education majors. Art methods and materials for elementary schools. Includes laboratory experiences with materials appropriate for elementary schools. Emphasis on emerging areas of art education for the elementary classroom teacher.

0101	Susan Denvir Th 9:00am - 11:45am	Seats (Total: 28) EDU 1315
0201	Leslie Gates M 1:00pm - 3:45pm	Seats (Total: 28) EDU 1315

EDCI385 **Computers for Teachers**

EDCI385 Computers for Teachers; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisites: admission to teacher education program; and 2.5 GPA. For education majors only. A first-level survey of instructional uses of computers, software, and related technology for preservice teachers.

0101	Kelly Schalk TuTh 2:00pm - 3:15pm	Seats (Total: 20) CSS 1410
0201	Denis Sullivan TuTh 12:30pm - 1:45pm	Seats (Total: 20) CSS 1410
0301	Peter Schaefer M 4:15pm - 7:00pm	Seats (Total: 20) CSS 1410

EDCI397 **Principles and Methods of Teaching in Elementary Schools**

EDCI397 Principles and Methods of Teaching in Elementary Schools; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisites: admission to teacher education program and 2.5 GPA. For education majors only. Teaching strategies, classroom interactive techniques, and procedures for planning and evaluating instruction in elementary schools. Emphasis on principles of effective instruction, classroom management, and adaptation of instruction for various student populations.

0101	Lisa Bote TuTh 11:00am - 12:15pm	Seats (Total: 28) EDU 2121
0201	Lisa Bote TuTh 9:30am - 10:45am	Seats (Total: 28) EDU 2121
0301	Brianne Walsh TuTh 12:30pm - 1:45pm	Seats (Total: 28) EDU 2212

EDCI401 **Student Teaching in Elementary School: Art**

EDCI401 Student Teaching in Elementary School: Art; (4-8 credits) Grade Method: S-F.
Prerequisites: admission to teacher education program; 2.5 GPA; permission of department; and EDCI300. For art education majors only.

0101	Susan Hendricks Contact instructor or department for details. Contact instructor or department for details.	Seats (Total: 18)

EDCI402 **Student Teaching in Secondary Schools: Art**

EDCI402 Student Teaching in Secondary Schools: Art; (2-8 credits) Grade Method: S-F.
Prerequisites: admission to teacher education program; 2.5 GPA; permission of department; EDCI300. For art education majors only. There is a $400 lab fee assigned to this course.

0101	Susan Hendricks Contact instructor or department for details.	Seats (Total: 18)

EDCI404 **Student Teaching Seminar: Art Education**

EDCI404 Student Teaching Seminar: Art Education; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: Admission to Teacher Education Program; 2.5 GPA: and EDCI300, EDCI400, EDCI405. Corequisite: EDCI401 and EDCI402. For art education majors only. An analysis of teaching theories, strategies, and techniques in the student teaching experience.

0101	Margaret Walker W 4:15pm - 7:00pm	Seats (Total: 8) EDU 0202

EDCI405 **Art Education Methods I**

EDCI405 *(PermReq)* **Art Education Methods I; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: admission to teacher education program; 2.5 G.P.A.; and permission of department. For education majors only. Credit will be granted for only one of the following: EDCI300 or EDCI405. Formerly EDCI300. Methods I provides future art teachers with a knowledge base of the theories and best practices of effective pedagogy for: teaching methods and strategies, diversity, motivational techniques, classroom management, assessment and evaluation methods, and accommodating all students including those with special needs.

0101	Susan Hendricks Tu 9:00am - 12:00pm	Seats (Total: 25) EDU 1315

EDCI407 **Practicum in Art Education: Three-Dimensional**

EDCI407 Practicum in Art Education: Three-Dimensional; (3 credits) Grade Method: REG/P-F/AUD.
For pre-art education and art education majors only. A lecture-studio course to develop skills, material resources, and educational strategies for three-dimensional projects in school settings.

0101	Margaret Walker M 9:00am - 12:00pm W 9:00am - 12:00pm	Seats (Total: 25) EDU 1315 EDU 1315

EDCI417 **Bases for English Language Instruction**

EDCI417 Bases for English Language Instruction; (3 credits) Grade Method: REG.
Prerequisite: admission to teacher education program; EDHD413; and EDHD420. Provides students with knowledge of current theory, research, and pedagogy focused on the teaching of English to English language learners. Topics include morphology, syntax, semantics, vocabulary, pragmatics, arguments, discourse structure, and English language usage. Exceptional student, inclusion, and diversity issues will be considered.

0101	Troy Bradbury	Seats (Total: 30)
	Tu 4:15pm - 5:45pm Th 4:15pm - 5:45pm	EDU 1210B EDU 2119

EDCI420 **Student Teaching Seminar in Secondary Education: Social Studies**

EDCI420 *(PermReq)* **Student Teaching Seminar in Secondary Education: Social Studies; (1 credit)** Grade Method: REG/P-F/AUD.
Prerequisite: 2.5 GPA; and EDCI426 and EDCI427. Corequisite: EDCI421 or EDCI422. An analysis of teaching theories, strategies, and techniques in the student teaching experience.

0101	Lisa Katz	Seats (Total: 30)
	Th 4:30pm - 6:30pm	ASY 3207

EDCI421 **Student Teaching in Secondary Schools: Social Studies/History**

EDCI421 Student Teaching in Secondary Schools: Social Studies/History; (12 credits) Grade Method: S-F.
Prerequisites: admission to teacher education program; 2.5 GPA; permission of department. Corequisite: EDCI420. There is a $400 lab fee assigned to this course.

0101	Lisa Katz	Seats (Total: 30)
	Contact instructor or department for details.	

EDCI430 **Student Teaching Seminar in Secondary Education: Foreign Language**

EDCI430 *(PermReq)* **Student Teaching Seminar in Secondary Education: Foreign Language; (1 credit)** Grade Method: REG/P-F/AUD.
Prerequisite: 2.5 GPA; and EDCI410; and EDCI433. Corequisite: EDCI431. An analysis of teaching theory, strategies and techniques in the student teaching experience. Prerequisite: permission of department. Please contact the Undergraduate Advising Office, Room 1207 for further information. This course will meet off campus at Martin Luther King High School.

0101	Perla Blejer	Seats (Total: 15)
	W 4:30pm - 6:30pm	EDU 1315

EDCI431 **Student Teaching in Secondary Schools: Foreign Language**

EDCI431 Student Teaching in Secondary Schools: Foreign Language; (12 credits) Grade Method: S-F.
Prerequisites: admission to teacher education program; and 2.5 GPA; and permission of department; and EDCI330. Corequisite: EDCI430. There is a $400 lab fee assigned to this course.

0101	Perla Blejer	Seats (Total: 20)
	Contact instructor or department for details.	

EDCI434 **Pedagogy of Teaching English Language Learners**

EDCI434 Pedagogy of Teaching English Language Learners; (3 credits) Grade Method: REG.
A survey of the historical and current approaches, methods, and techniques of teaching English to speakers of other languages from grammar translation to audio-lingual to communicative approaches. Additionally, successful classroom practices that address the needs of culturally diverse and language minority students will be analyzed.

0101	Pamela Hickey	Seats (Total: 20)
	MW 2:00pm - 3:15pm	EDU 0202

EDCI437 **English Grammar Pedagogy for Teachers of English Language Learners**

EDCI437 English Grammar Pedagogy for Teachers of English Language Learners; (3 credits) Grade Method: REG.
Credit will be granted for only one of the following: EDCI437 or EDCI488P. Formerly EDCI488P. Methods of teaching English grammar to English language learners. The role of teaching grammar. Effective methods and techniques for incorporating grammar in other communication activities.

0101	Eunjou Oh	Seats (Total: 20)
	Tu 2:00pm - 3:10pm Th 2:00pm - 3:10pm	EDU 2212B EDU 2121

EDCI440 **Student Teaching Seminar in Secondary Education: English, Speech, Theatre**

EDCI440 Student Teaching Seminar in Secondary Education: English, Speech, Theatre; (1 credit) Grade Method: S-F.
Prerequisites: admission to teacher education program; 2.5 GPA; EDCI417. Corequisite: EDCI441. An analysis of teaching theories, strategies and techniques in relation to the student teaching experience. This course will meet at Eleanor Roosevelt High School. Contact the EDCI department for more information.

0101	Peggy Wilson	Seats (Total: 35)
	W 6:15pm - 7:15pm	Location: TBA

EDCI441 **Student Teaching in Secondary Schools: English**

EDCI441 Student Teaching in Secondary Schools: English; (12 credits) Grade Method: S-F.
Prerequisites: admission to teacher education program; and EDCI417. Corequisite: EDCI440. Practical experience as an aide to a regular English, speech or drama teacher; assigned responsibilities and participation in a variety of teaching/learning activities. There is a $400 lab fee assigned to this course.

0101	Peggy Wilson	Seats (Total: 25)
	Contact instructor or department for details.	

EDCI443 **Literature for Children and Youth**

EDCI443 Literature for Children and Youth; (3 credits) Grade Method: REG/P-F/AUD.
For elementary education and pre-elementary education majors only. Analysis of literary materials for children and youth. Timeless and ageless books, and outstanding examples of contemporary publishing. Evaluation of the contributions of individual authors, illustrators and children's book awards.

0101	Jiahang Li, Lisa Stevens Tu 1:00pm - 3:45pm	Seats (Total: 28) EDU 2119
0201	Lisa Swayhoover TuTh 12:30pm - 1:45pm	Seats (Total: 28) PAC 1809
0301	Melissa Landa MW 12:30pm - 1:45pm	Seats (Total: 28) EDU 2119

EDCI450 **Student Teaching Seminar in Secondary Education: Mathematics**

EDCI450 Student Teaching Seminar in Secondary Education: Mathematics; (1 credit) Grade Method: REG/P-F/AUD.
Prerequisites: admission to teacher education program; 2.5 GPA; EDCI457; and EDCI455 or EDCI651. Corequisite: EDCI451 and EDCI474.. An analysis of teaching theories, strategies and techniques in the student teaching experience. Class is Meeting at Roosevelt High School. Day and Time TBA

0101	Richard Hollenbeck Contact instructor or department for details.	Seats (Total: 10)

EDCI451 **Student Teaching in Secondary Schools: Mathematics**

EDCI451 Student Teaching in Secondary Schools: Mathematics; (12 credits) Grade Method: S-F.
Prerequisites: admission to teacher education program; 2.5 GPA; permission of department. Corequisite: EDCI450. There is a $400 lab fee assigned to this course.

0101	Richard Hollenbeck Contact instructor or department for details.	Seats (Total: 15)

EDCI461 **Materials and Instruction for Creating Skilled and Motivated Readers, Part I**

EDCI461 Materials and Instruction for Creating Skilled and Motivated Readers, Part I; (3 credits) Grade Method: REG.
Prerequisite: permission of department. For Elementary Education majors only. Junior standing. Selecting, evaluating, and using a variety of materials to create skilled and motivated readers in the elementary grades; Topics include emergent literacy, vocabulary development, reading comprehension and oral reading fluency in diverse classroom settings.

0101	Wei You MW 11:15am - 12:30pm	Seats (Total: 25) EDU 2119
0201	Christine Troffkin TuTh 11:00am - 12:15pm	Seats (Total: 25) EDU 2119
0401	Jennifer Gray MW 10:00am - 11:15am	Seats (Total: 25) EDU 2121
IHP1	LeAnn Johnson **Meets January 6, 2009 - April 14, 2009** Tu 7:00pm - 10:00pm *Prerequisite: permission of department. Outreach CITE Program offering, Shady Grove.*	Seats (Total: 17) ONLINE

EDCI462 **Materials and Instruction for Creating Skilled and Motivated Readers, Part II**

EDCI462 Materials and Instruction for Creating Skilled and Motivated Readers, Part II; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: admission to teacher education program; 2.5 GPA; EDCI361 or EDCI461; ED397; and permission of department. Corequisite: EDCI322, EDCI342, EDCI352, and EDCI372. Elementary Education majors only. Selecting, evaluating, and using a variety of materials to create skilled and motivated readers in the elementary grades, particularly in diverse classroom settings; Topics include word analysis, spelling, writing, reading comprehension strategies, directed reading lessons, and explicit instruction. Restricted to Elementary Education MCERT majors only. Course will be hel d at USG.

IHP1	Jennifer Turner, Hyejin Huh **Meets January 26, 2009 - May 12, 2009** Th 2:00pm - 5:00pm *MCERT Outreach Offering, Dept Permission Required, ELEM, Shady Grove C mpus.*	Seats (Total: 25) Location: TBA

IHP2	LeAnn Johnson **Meets January 6, 2009 - April 14, 2009** Tu 4:00pm - 7:00pm Class time/details on ELMs	Seats (Total: 17) Location: TBA ONLINE
	Prerequisite: permission of department. Outreach CITE Program offering, Shady Grove.	

EDCI463 **Reading in the Secondary School**

EDCI463 Reading in the Secondary School; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisites: admission to teacher education program; and 2.5 GPA; or permission of department required for post-baccalaureate students. For education majors only. Provides secondary school teachers with understanding the need for and approaches to teaching students to read and learn from content area texts.

0101	Ayanna Baccus MW 2:00pm - 3:30pm	Seats (Total: 30) EDU 2121
0201	Marilyn Chambliss MW 2:00pm - 3:30pm	Seats (Total: 30) EDU 2212

EDCI464 **Assessment for Reading**

EDCI464 Assessment for Reading; (3 credits) Grade Method: REG.
Prerequisite: EDCI362. For Elementary Education or Early Childhood Education majors only. Senior standing. Examination of reading assessment theory, materials and procedures; Topics include validity and reliability in reading assessment, formal and informal assessment, reading instruction that is informed by ongoing assessment, and the effects of assessment on students and schooling in a diverse society. Class is located off campus, TBA

0101	Rose Codling W 4:15pm - 7:00pm *Restricted Team A1 students only.*	Seats (Total: 30) EDU 0114
0201	Ayanna Baccus Tu 4:15pm - 7:00pm *Restricted Team A2 students only. Location is to be Berwyn Heights Elem ntary School, Media Center.*	Seats (Total: 30) Location: TBA

0301	Peter Afflerbach Tu 4:15pm - 7:00pm *Restricted to Team B1 students only.*	Seats (Total: 25) EDU 2119
0401	Rose Codling Th 4:15pm - 7:00pm *Restricted to Team B2 students only.*	Seats (Total: 30) EDU 3236
0501	Olivia Saracho W 4:15pm - 7:00pm *Restricted to Early Childhood Students Only.*	Seats (Total: 21) EDU 2101
0601	Chrystine Mitchell Th 4:15pm - 7:00pm *Restricted to early childhood students only.*	Seats (Total: 18) EDU 1210B

EDCI466 **Literature for Adolescents**

EDCI466 Literature for Adolescents; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisites: admission to teacher education program; 2.5 GPA. permission of department required for post-baccalaureate students. For education majors only.* Reading and analysis of fiction and nonfiction; methods for critically assessing quality and appeal; current theory and methods of instruction; research on response to literature; curriculum design and selection of books.

0101	Joseph McCaleb, Michelle Alcoser MW 11:30am - 1:00pm	Seats (Total: 30) EDU 2121

EDCI471 **Student Teaching in Secondary Schools: Science**

EDCI471 Student Teaching in Secondary Schools: Science; (12 credits) Grade Method: S-F.
Prerequisites: admission to teacher education program; 2.5 GPA; permission of department; and EDCI370. Corequisites: EDCI371 and EDCI470. There is a $400 lab fee assigned to this course.

0101	Stacy Pritchett Contact instructor or department for details.	Seats (Total: 20)

EDCI474 **Inclusion, Diversity, and Professionalism in Secondary Education**

EDCI474 Inclusion, Diversity, and Professionalism in Secondary Education; (2 credits) Grade Method: REG/P-F/AUD.
Prerequisite: admission to teacher education. Corequisite: enrolled in student teaching/certification area. For secondary education majors only. Cross disciplinary capstone course for Secondary Education majors. Discussion and analysis of critical issues relevant to teaching: inclusion, diversity, professionalism, English language learners, school politics, social justice, school-community relations, and parent engagement.

0101	David Rosenstein M 5:00pm - 7:00pm *Section will be held at Martin Luther King Jr. Middle School in Prince George's County.*	Seats (Total: 18) Location: TBA
0201	Alana Murray M 5:00pm - 7:00pm *Section will be held at Martin Luther King Jr. Middle School in Prince George's County.*	Seats (Total: 18) Location: TBA

EDCI480 **Practices in Secondary School Science Teaching**

EDCI480 Practices in Secondary School Science Teaching; (2 credits) Grade Method: REG/P-F/AUD.
Prerequisite: Admission to teacher education program; EDCI470. Corequisite: EDCI471. Not open to students who have completed EDCI488J. Credit will be granted for only one of the following: EDCI480 or EDCI488J. Formerly EDCI488J. For prospective science teachers. Analyses of student thinking, instructional interpretations, strategies, and techniques in student teaching. Location will be announced at a later time and will occur in a local school.

0101	Stacy Pritchett W 3:00pm - 4:50pm	Seats (Total: 10) Location: TBA

EDCI481 **Student Teaching: Elementary**

EDCI481 Student Teaching: Elementary; (12 credits) Grade Method: S-F.
Prerequisites: admission to teacher education program; 2.5 GPA; permission of department; EDCI322; and EDCI342; EDCI352; EDCI362; and EDCI372. Corequisite: EDCI464. Limited to elementary majors who have previously applied. There is a $400 lab fee assigned to this course.

0101	John O'Flahavan Contact instructor or department for details.	Seats (Total: 120)

EDCI485 **Student Teaching in Elementary School: Physical Education**

EDCI485 Student Teaching in Elementary School: Physical Education; (4-8 credits) Grade Method: S-F.
For EDCI majors only. Fulfills elementary teaching requirements in K-12 physical education programs. Limited to majors who have previously applied.

0101	Ana Palla-Kane Contact instructor or department for details.	Seats (Total: 25)

EDCI488I **Selected Topics in Teacher Education; Chillum Internship Program**

EDCI488I Selected Topics in Teacher Education: Chillum Internship Program; (3 credits) Grade Method: REG/P-F/AUD.

0101	Dawn Sherman M 2:00pm - 4:00pm Contact instructor or department for details.	Seats (Total: 15) EDU 2101
0201	Dawn Sherman Tu 2:00pm - 4:00pm Contact instructor or department for details.	Seats (Total: 15) ASY 3221

EDCI488L **Selected Topics in Teacher Education; Embracing Diversity in Classroom Communities**

EDCI488L *(PermReq)* **Selected Topics in Teacher Education: Embracing Diversity in Classroom Communities; (3 credits)** Grade Method: REG/AUD.

0101	Simone Gibson M 4:15pm - 7:00pm	Seats (Total: 25) EDU 1210B
0201	Summer Clark M 1:00pm - 3:45pm	Seats (Total: 20) HBK 0125

EDCI489 **Field Experiences in Education**

EDCI489 *(PermReq)* **Field Experiences in Education; (1-4 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDCI495 **Student Teaching in Secondary Schools: Physical Education**

EDCI495 Student Teaching in Secondary Schools: Physical Education; (2-8 credits) Grade Method: S-F.
For EDCI majors only. There is a $400 lab fee assigned to this course.

0101	Ana Palla-Kane	Seats (Total: 25)
	Contact instructor or department for details.	

EDCI498 **Special Problems in Teacher Education**

EDCI498 *(PermReq)* **Special Problems in Teacher Education; (1-6 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDCI588B **Special Topics in Curriculum & Instruction; Leadership in Literacy Education**

EDCI588B *(PermReq)* **Special Topics in Curriculum & Instruction: Leadership in Literacy Education; (1-3 credits)** Grade Method: REG.

IHP1	Joseph McCaleb	Seats (Total: 10)
	Contact instructor or department for details.	
	Professional Development Outreach Offering. Study of and experience wit leadership in literacy, language, literature, and composition. Readings in literacy and leadership in literacy programs. Participation in workshops in literature and writing. Departmental Permission Required, Contact aberman2@umd.edu.	

EDCI588J **Special Topics in Curriculum & Instruction; Culturally Relevant Mathematics for High Schools**
Contact department for information to register for this course.

EDCI588L **Special Topics in Curriculum & Instruction; Culturally Responsive Teaching and Classroom Management**
Contact department for information to register for this course.

EDCI600 **Trends in Art Education Curriculum**

EDCI600 Trends in Art Education Curriculum; (3 credits) Grade Method: REG/AUD.

Recent developments in art education.

0101	Susan Hendricks Tu 4:15pm - 7:00pm	Seats (Total: 25) EDU 1315
IHP1	Susan Hendricks Tu 4:15pm - 7:00pm	Seats (Total: 10) Location: TBA
	MCERT Outreach Offering, Dept Permission Required.	

EDCI611 **Studying Student Learning in Diverse Settings**

EDCI611 Studying Student Learning in Diverse Settings; (3 credits) Grade Method: REG/AUD.

This course deepens teacher understanding of student development and the cultural context for teaching through readings and focused field studies. Participants will also begin developing skills needed for investigations using methods of interpretive inquiry.

IHP1	Kara Trenkamp Th 5:30pm - 8:30pm	Seats (Total: 18) Location: TBA
	MCERT Outreach Offering, Dept Permission Required, Hoyer Center.	
IHP2	Saroja Barnes M 5:30pm - 8:30pm	Seats (Total: 19) Location: TBA
	MCERT Outreach Offering, Dept Permission Required, Hoyer Center.	

EDCI612 **Assessing Student Learning and Development**

EDCI612 Assessing Student Learning and Development; (3 credits) Grade Method: REG.
Credit will be granted for only one of the following: EDCI 612 or EDCI 788S. Formerly EDCI788S. Prepares experienced teachers to assess student knowledge, strategies and skills over time so that they can design instruction that builds on student strengths and addresses student needs. Teachers will study the purposes of assessment including school and student needs. Teachers will study the purposes of assessment including school and teacher accountability, student placement, course grade assignment and instructional design. They also will explore types of formal and informal assessment, curriculum-based and curriculum-free assessment, external and teacher made assessment.

0101	Peter Afflerbach M 4:15pm - 7:00pm	Seats (Total: 20) EDU 2234

EDCI620 **Trends in Secondary School Curriculum: Social Studies**

EDCI620 Trends in Secondary School Curriculum: Social Studies; (3 credits) Grade Method: REG/AUD.
Recent developments in educational thinking and practice on the curriculum in social studies.

0101	Chauncey Monte-Sano Contact instructor or department for details.	Seats (Total: 15)
IHP1	Chauncey Monte-Sano Tu 5:30pm - 8:30pm *MCERT Outreach Offering, Dept Permission Required, Hoyer Center.*	Seats (Total: 15) Location: TBA

EDCI622 **Teaching Social Studies in Elementary Schools**

EDCI622 Teaching Social Studies in Elementary Schools; (3 credits) Grade Method: REG/AUD.
Examination of current literature and research in the social sciences as they relate to social studies curriculum and instruction.

IHP1	Lisa Eaker Th 5:30pm - 8:30pm *MCERT Outreach Offering, Dept Permission Required, ELEM, Shady Grove C mpus.*	Seats (Total: 25) SG3 3230

EDCI631 **Student Assessment in the Second Language Classroom**

EDCI631 Student Assessment in the Second Language Classroom; (3 credits)
Grade Method: REG/AUD.
Analysis of standardized and teacher-made FL/ESL tests; emphasis on principles of FL/ESL test construction. Field testing of commercial and teacher-made materials. Class is scheduled to meet at the Hoyer Center.

0101	Colleen Gallagher M 5:00pm - 7:45pm	Seats (Total: 20) Location: TBA
IHP1	Colleen Gallagher M 5:00pm - 7:45pm	Seats (Total: 6) Location: TBA
	MCERT Outreach Offering, Dept Permission Required, TESOL, Hoyer Center	

EDCI632 **Special Education and Oral Language Development in TESOL**

EDCI632 Special Education and Oral Language Development in TESOL; (3 credits) Grade Method: REG.
Credit will be granted for only one of the following: EDCI 632 or EDCI 788L. Formerly EDCI788L. Understanding of pre-referal, referal, assessment and identification process, as well as instruction of English Language Learners with learning disabilities. Required for TESOL Certification program.

0101	Roberta Lavine W 5:00pm - 7:45pm	Seats (Total: 20) PLS 1129
IHP1	Roberta Lavine W 5:00pm - 7:45pm	Seats (Total: 6) Location: TBA
	MCERT Outreach Offering, Dept Permission Required, TESOL.	
IHP2	Colleen Gallagher Tu 5:00pm - 8:00pm	Seats (Total: 25) Location: TBA
	Outreach Offering for MCPS II Literacy Coach Program, Shady Grove.	
IHP3	Beatriz Quintos M 5:00pm - 8:00pm	Seats (Total: 25) Location: TBA
	Outreach Offering for PGCPS I Literacy Coach Program, Hoyer Center.	

EDCI633 **Teaching for Cross Cultural Communication**

EDCI633 Teaching for Cross Cultural Communication; (3 credits) Grade Method: REG/AUD.
Techniques and content for teaching in foreign language classes, and English as a second language (ESL) classes. Research and evaluation of selected aspects of a culture as basis for creating teaching materials.

0101	Melinda Martin-Beltran	Seats (Total: 15)
	Tu 5:00pm - 7:45pm	EDU 2212

EDCI637 **Advanced Laboratory Practice in Foreign Language/TESOL Education**

EDCI637 Advanced Laboratory Practice in Foreign Language/TESOL Education; (2-6 credits) Grade Method: REG/AUD.
Prerequisites: EDCI 434; and EDCI 634; or permission of department. Supervised internship in TESOL setting.

0101	Colleen Gallagher	Seats (Total: 15)
	Contact instructor or department for details.	

EDCI638 **Teaching ESOL Reading and Writing in Secondary Content Areas**

EDCI638 Teaching ESOL Reading and Writing in Secondary Content Areas; (3 credits) Grade Method: REG/AUD.

0101	Hollis Stein	Seats (Total: 25)
	Tu 4:15pm - 7:00pm	JMZ 1215

EDCI652 **Teaching and Learning Mathematics in the Elementary School**

EDCI652 Teaching and Learning Mathematics in the Elementary School; (3 credits) Grade Method: REG.
Prerequisite: MATH212; MATH213, MATH214 or equivalent. Strategies and methodologies for the teaching of elementary school mathematics based on current research and theories about how children learn mathematics. Attention is given to professional recommendations and teaching practices that foster communication, reasoning, and reflection in the mathematics classroom. Internship or other placement in an elementary school is required.

IHP1	Ann Edwards	Seats (Total: 17)
	Meets January 8, 2009 - April 2, 2009	
	Th 3:45pm - 6:45pm	Location: TBA
	Class time/details on ELMs	ONLINE
	Prerequisite: permission of department. Outreach CITE Program offering, Shady Grove.	

EDCI654 **Assessing Mathematical Understanding**

EDCI654 Assessing Mathematical Understanding; (3 credits) Grade Method: REG/AUD.
Prerequisite: EDCI 650 or permission of department. Techniques of assessing k-12 students' understanding of mathematics - including standardized tests, but focusing on alternative forms such as individual interviews, writing tasks, performance tasks, portfolios. Mathematics assessment viewed as an ongoing part of instruction.

IHP1	Richard Hollenbeck	Seats (Total: 22)
	Meets January 7, 2009 - May 27, 2009	
	W 5:00pm - 8:00pm	Location: TBA
	Outreach MATH MCPS Partnership Program, Shady Grove.	

EDCI657 **Understanding and Engaging Students' Conceptions of Mathematics**

EDCI657 *(PermReq)* **Understanding and Engaging Students' Conceptions of Mathematics; (3 credits)** Grade Method: REG.
Prerequisite: Experience in teaching math or permission of department. Research related to K-14 students' common errors in and (mis)understandings of mathematics. Instructional strategies useful in building on errors and changing students' conceptions.

0101	Hagit Sela	Seats (Total: 20)
	W 4:15pm - 7:00pm	EDU 2121
IHP1	Whitney Johnson	Seats (Total: 18)
	W 5:15pm - 8:15pm	Location: TBA
	Outreach MATH PG Partnership Program, Charles Carroll MS.	

EDCI661 **Content Area Reading**

EDCI661 Content Area Reading; (3 credits) Grade Method: REG/AUD.
Prerequisite: EDCI 362 or EDCI 463 or equivalent. Research-based strategies for improving reading to learn in the content areas (K-12).

0101	Marilyn Chambliss	Seats (Total: 20)
	M 4:15pm - 7:00pm	EDU 2119

EDCI665 **Clinical Instruction in Reading**

EDCI665 Clinical Instruction in Reading; (3 credits) Grade Method: REG/AUD.
Prerequisite: EDCI 664 or permission of department. Clinical procedures and materials for reading instruction. For reading majors only.

0101	Rose Codling	Seats (Total: 15)
	Tu 4:15pm - 7:00pm	EDU 2234

EDCI666 **Leadership in Schoolwide Reading Program**

EDCI666 Leadership in Schoolwide Reading Program; (3 credits) Grade Method: REG/AUD.
Prerequisites: EDCI 660 and EDCI 661 or permission of department. Preparation of reading personnel to function as resource persons to classroom teachers, administrators and the school community.

0101	Olivia Saracho	Seats (Total: 15)
	Th 4:45pm - 7:30pm	EDU 2234

EDCI667 **Multicultural Materials and Instruction for K-12 Readers**

EDCI667 Multicultural Materials and Instruction for K-12 Readers; (3 credits) Grade Method: REG/AUD.
Credit will be granted for only one of the following: EDCI667 or EDCI688E (as offered in Spring 2008). Formerly EDCI688E. An exploration of the multicultural materials and instructional strategies that create responsive K-12 classrooms and curricula for diverse readers.

0101	Jennifer Turner	Seats (Total: 20)
	Tu 7:00pm - 9:45pm	EDU 2102

EDCI673 **Assessing, Diagnosing, and Teaching Writing**

EDCI673 Assessing, Diagnosing, and Teaching Writing; (3 credits) Grade Method: REG/AUD.
Prerequisite: EDCI 467 or equivalent; or permission of instructor. Application of theory and research on composition instruction to review assessment and diagnostic procedures useful to writing teachers. Development of curricular materials for implementing appropriate individual, small group, and large-group instruction.

IHP1	Kathleen Travers, Vickie Adamson M 5:30pm - 8:30pm	Seats (Total: 19) Location: TBA
	MCERT Outreach offering, Department permission required, Blair HS MCPS.	
IHP2	Wayne Slater, Linda Coleman Tu 5:00pm - 8:00pm	Seats (Total: 25) Location: TBA
	Outreach Offering for PGCPS II Literacy Coach Program, Hoyer Center.	

EDCI675 **Learning to Teach and Learn Science**
Contact department for information to register for this course.

EDCI676 **Reflection and Practice in Secondary School Science Teaching**

EDCI676 Reflection and Practice in Secondary School Science Teaching; (3 credits) Grade Method: REG/AUD.
Prerequisite: Admission to Maryland Master's Certification Program (MMCP), EDCI675, or permission of instructor. Use of classroom videotape and student work as data for teachers to analyze their students' thinking and discuss instructional interpretation, strategies, and techniques in the specific contexts of their classes.

IHP1	Daniel Levin M 5:30pm - 8:30pm	Seats (Total: 14) Location: TBA
	MCERT Outreach Offering, Dept Permission Required, Blair HS MCPS.	

EDCI688B **Special Topics in Curriculum and Instruction; Practice and Theory in Teaching Second Language Learners**

EDCI688B Special Topics in Curriculum and Instruction: Practice and Theory in Teaching Second Language Learners; (3 credits) Grade Method: REG.

0101	Megan Peercy M 5:00pm - 7:45pm	Seats (Total: 15) EDU 0206
IHP1	Perla Blejer, Megan Peercy M 5:00pm - 7:45pm	Seats (Total: 11) Location: TBA
	MCERT Outreach Offering, Dept Permission Required, Hoyer Center.	

EDCI688C **Special Topics in Curriculum and Instruction; Proseminar and Intership**

EDCI688C Special Topics in Curriculum and Instruction: Proseminar and Intership; (1-3 credits) Grade Method: REG/AUD.

IHP1	Dianne Bradley **Meets January 8, 2009 - April 30, 2009** Th 1:30pm - 3:30pm	Seats (Total: 17) Location: TBA
	Prerequisite: permission of department. Outreach CITE Program offering, Shady Grove.	

EDCI688G **Special Topics in Curriculum and Instruction; Leadership in Literacy Education**

EDCI688G *(PermReq)* **Special Topics in Curriculum and Instruction: Leadership in Literacy Education; (1-3 credits)** Grade Method: REG/AUD.

IHP1	Joseph McCaleb Contact instructor or department for details.	Seats (Total: 15)
	Professional Development Outreach Offering. Study of and experience wit leadership in literacy, language, literature, and composition. Readings in literacy and leadership in literacy programs. Participation in workshops in literature and writing. Departmental Permission Required, Contact aberman2@umd.edu.	

EDCI688M **Special Topics in Curriculum and Instruction; Math in the Secondary Classroom**

EDCI688M Special Topics in Curriculum and Instruction: Math in the Secondary Classroom; (1-3 credits) Grade Method: REG/AUD.

IHP1	Andrew Brantlinger Tu 5:30pm - 8:30pm	Seats (Total: 10) Location: TBA

EDCI689 **Teaching Internship; Teaching Internship**

EDCI689 *(PermReq)* **Teaching Internship: Teaching Internship; (1-8 credits)**
Grade Method: REG/AUD.

7032	Rose Codling Contact instructor or department for details.	Seats (Total: 10)
CE01	Karen Rehder W 3:30pm - 5:30pm *MCERT Outreach Offering, Dept Permission Required, ELEM, Bryant Wood El m HCPS.*	Seats (Total: 25) Location: TBA
CE02	Colleen Gallagher Contact instructor or department for details. *MCERT Outreach offering, Dept Permission Required, TESOL.*	Seats (Total: 6)
CE03	Susan Hendricks Contact instructor or department for details. *MCERT Outreach Offering, Dept Permission Required, ART.*	Seats (Total: 10)
CE04	Peggy Wilson Contact instructor or department for details. *MCERT Outreach Offering, Dept Permission Required, ENGLISH.*	Seats (Total: 19)
CE05	Susan DePlatchett Contact instructor or department for details. *MCERT Outreach Offering, Dept Permission Required, MATH.*	Seats (Total: 10)
CE06	Stacy Pritchett Contact instructor or department for details. *MCERT Outreach Offering, Dept Permission Required, SCIENCE.*	Seats (Total: 14)
CE07	Lisa Katz Contact instructor or department for details. *MCERT Outreach Offering, Dept Permission Required, SOCIAL STUDIES.*	Seats (Total: 15)
CE08	Perla Blejer Contact instructor or department for details. *MCERT Outreach Offering, Dept Permission Required, FOREIGN LANG.*	Seats (Total: 11)

EDCI689C **Teaching Internship; TESOL**

EDCI689C Teaching Internship: TESOL; (1-6 credits) Grade Method: REG/AUD.

0101	Perla Blejer	Seats (Total: 6)
	Contact instructor or department for details.	

EDCI690 **Teaching as a Profession**

EDCI690 Teaching as a Profession; (3 credits) Grade Method: REG/AUD. *Prerequisite: permission of department.* The profession of teaching and the knowledge base that defines teaching. Current and social issues that affect teaching and learning; role of research and experience in learning to teach.

IHP2	Christopher Garran	Seats (Total: 30)
	Meets January 26, 2009 - March 14, 2009	
	Contact instructor or department for details.	
	MCERT Secondary 2008 Cohort Outreach Offering, Departmental Permission Required.	

EDCI698 **Conducting Research on Teaching**

EDCI698 *(PermReq)* **Conducting Research on Teaching; (1-3 credits)** Grade Method: REG.

0101	Joseph McCaleb	Seats (Total: 26)
	Tu 4:15pm - 7:00pm	EDU 2102
IHP1	Melissa Landa, Connie North	Seats (Total: 25)
	Contact instructor or department for details.	
	MCERT Outreach Course Offering, Department Permission required, ELEM, S ady Grove Campus.	
IHP2	Stephen Koziol, Ann Schweighofer	Seats (Total: 16)
	Sa 9:00am - 1:00pm	Location: TBA
	MCERT Outreach Course Offering, Department Permission required.	
IHP3	Kevin Meuwissen	Seats (Total: 15)
	Th 5:30pm - 7:30pm	Location: TBA
	MCERT Outreach Course Offering, Department Permission required, Shady G ove Campus.	

IHP4	Saroja Barnes W 5:30pm - 7:30pm	Seats (Total: 17) Location: TBA
	MCERT Outreach Course Offering, Department Permission required, Kennedy HS MCPS.	
IHP5	Jean Snell Th 5:30pm - 7:30pm	Seats (Total: 18) Location: TBA
	Prerequisite: department permission. Outreach course offering. Hoyer Center, PGCPS.	
IHP6	Kathleen Travers W 5:30pm - 7:30pm	Seats (Total: 15) Location: TBA
	MCERT Outreach Offering, Dept Permission Required, Shady Grove Campus.	

EDCI720 **Theory and Research in Social Studies Education**

EDCI720 Theory and Research in Social Studies Education; (3 credits) Grade Method: REG.
Prerequisites: {EDCI 620 or EDCI 622}; and EDMS 645. A survey of the research literature; evaluation of research techniques; consideration of relevant instructional curriculum theory; evaluation of modern teaching methods and techniques.

0101	Chauncey Monte-Sano Contact instructor or department for details.	Seats (Total: 15)
	Class will meet on the following Saturdays from 9am-4pm; January 31, February 21, March 7, March 28, and April 18.	

EDCI730 **Theory and Research in Second Language Teaching, Learning and Assessment**

EDCI730 Theory and Research in Second Language Teaching, Learning and Assessment; (3 credits) Grade Method: REG/AUD.
Prerequisite: permission of department. A survey of the research literature; evaluation of research techniques; consideration of relevant instructional curriculum theory; evaluation of modern teaching methods and techniques.

0101	Rebecca Oxford Th 4:15pm - 7:00pm	Seats (Total: 20) EDU 2212B

EDCI754 **Foundations of Mathematics Education IV: Policy, Professional Development and Teacher Preparation**

EDCI754 Foundations of Mathematics Education IV: Policy, Professional Development and Teacher Preparation; (3 credits) Grade Method: REG.
Prerequisite: FME II or FME III or permission of department. Preservice teacher education, professional development, and policy as agents of reform in mathematics education.

0101	Patricia Campbell M 4:15pm - 7:00pm	Seats (Total: 20) EDU 2121

EDCI758 **Research Seminar in Mathematics Education**

EDCI758 Research Seminar in Mathematics Education; (1 credit) Grade Method: REG/AUD.

0101	Andrew Brantlinger Contact instructor or department for details.	Seats (Total: 15)

EDCI763 **Reading, Cognition, and Instruction: Reading in the Content Areas I**

EDCI763 *(PermReq)* **Reading, Cognition, and Instruction: Reading in the Content Areas I; (3 credits)** Grade Method: REG.
Provide secondary education students with an understanding of the interactive nature of the reading process, the use of search based instructional strategies, the relationship between vocabulary development and student concept development, the design of strategic reading instruction, the methods for assessing content area literacy, and the ability to plan instruction and communicate with students, parents, and allied professionals. Prerequisite: permission of department. Please contact aberman2@umd.edu. Outreach offering for BCPS I Literary Coach Program, Baltimore City Public Schools, BOE Bldg 200 East North Ave Room 301.

IHP1	Ebony Shockley Th 5:30pm - 8:30pm *MCERT Outreach Offering, Dept Permission Required, High Point PGCPS*	Seats (Total: 22) Location: TBA
IHP2	Ayanna Baccus W 5:30pm - 8:30pm *MCERT Outreach Offering, Dept Permission Required, Hoyer Center.*	Seats (Total: 22) Location: TBA

IHP3	Wayne Slater Tu 5:00pm - 7:45pm	Seats (Total: 30) Location: TBA
	Outreach Offering for BCPS I Literacy Coach Program, Balt City Public Schools, BOE Bldg 200 East North Ave Room 301. Contact aberman2@umd.edu.	

EDCI770 **Foundations of Science Education**

EDCI770 Foundations of Science Education; (3 credits) Grade Method: REG/AUD. *Prerequisite: EDCI 670 or EDCI 671; or permission of department.* Development of science education; pre-kindergarten through college; the influences on current and future practices; and the identification and critical analysis of topics in science education.

0101	Janet Coffey M 3:00pm - 5:45pm	Seats (Total: 15) EDU 2212A

EDCI776 **Urban Education**

EDCI776 Urban Education; (3 credits) Grade Method: REG/AUD.
This seminar provides students with a broad overview of urban education as a field of inquiry by examining the social context of urban schools, how transformative pedagogy is practiced and conceptualized as well as school reform.

0101	Victoria MacDonald Tu 1:00pm - 4:00pm	Seats (Total: 30) TWS 1107

EDCI782 **Power, Privilege, Diversity and Teaching**

EDCI782 Power, Privilege, Diversity and Teaching; (3 credits) Grade Method: REG/AUD.
This course critically examines the theoretic foundation of multicultural education with particular emphasis on the relationship between power, privilege, diversity and teaching.

0101	Sherick Hughes W 4:15pm - 7:00pm	Seats (Total: 20) EDU 2212B

EDCI785 **Teacher Preparation, Diversity, and Social Change**

EDCI785 Teacher Preparation, Diversity, and Social Change; (3 credits) Grade Method: REG.
A critical examination of the theory and research on Teacher preparation with an emphasis on issues of race, class, gender, and sexuality and the pervasive inequalities manifest in K-12 school contexts.

0101	David Imig M 4:15pm - 7:00pm	Seats (Total: 15) EDU 2212

EDCI788 **Selected Topics in Teacher Education; Selected Topics in Teacher Education**

EDCI788 Selected Topics in Teacher Education: Selected Topics in Teacher Education; (1-3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDCI788E **Selected Topics in Teacher Education; Research Seminar in Minority and Urban Education**

EDCI788E Selected Topics in Teacher Education: Research Seminar in Minority and Urban Education; (2 credits) Grade Method: REG/AUD.
Only for first year Minority and Urban Education doctoral students or permission of instructor.

0101	Victoria MacDonald Th 4:15pm - 6:15pm	Seats (Total: 15) JMZ 3203

EDCI788J **Selected Topics in Teacher Education; Improving Teacher Performance/Student Achievement through Incentive Plans (MIMAUE Colloquium Series)**

EDCI788J Selected Topics in Teacher Education: Improving Teacher Performance/Student Achievement through Incentive Plans (MIMAUE Colloquium Series); (1 credit) Grade Method: REG/AUD.

0101	Martin Johnson W 4:30pm - 6:30pm	Seats (Total: 15) ASY 3221

EDCI788M **Selected Topics in Teacher Education; Coaching and Mentoring Teachers**

EDCI788M *(PermReq)* **Selected Topics in Teacher Education: Coaching and Mentoring Teachers; (1-3 credits)** Grade Method: REG/AUD.

IHP1	Patricia Miller Th 5:00pm - 8:00pm	Seats (Total: 25) Location: TBA
	Outreach Offering for PGCPS II Literacy Coach Program, Tulip Grove Elem ntary.	
IHP2	Rosario Fazio Tu 5:00pm - 8:00pm	Seats (Total: 25) Location: TBA
	Outreach Offering for MCPS III Literacy Coach Program, Up-County Edu Se vices Ctr Germantown.	

EDCI788P **Selected Topics in Teacher Education; School Improvement and Organizational Change**

EDCI788P *(PermReq)* **Selected Topics in Teacher Education: School Improvement and Organizational Change; (1-3 credits)** Grade Method: REG/AUD.

IHP1	John O'Flahavan Contact instructor or department for details.	Seats (Total: 17)
	Outreach EDCI Doctoral Program Washington, D.C. Cohort, NEA. Department Approval Required.	

EDCI788Z **Selected Topics in Teacher Education; Quantative Applications in Teaching and Learning**
Contact department for information to register for this course.

EDCI790 **Epistemological Bases of Education Research**

EDCI790 Epistemological Bases of Education Research; (3 credits) Grade Method: REG/AUD.
Prerequisite: EDCI780. A course on research theory, method, and design issues for doctoral students. Focuses on conceptual and theoretical understanding of methodology, the broad rand of both qualitative and quantitative methodologies, and underlying epistemologies as they apply to the study of schools, curriculum, teaching, and teacher education.

0101	Mike Stieff, Linda Valli Tu 4:15pm - 7:00pm	Seats (Total: 30) EDU 2121

EDCI792 **Qualitative Research II: Analysis and Interpretation of Data**

EDCI792 Qualitative Research II: Analysis and Interpretation of Data; (3 credits) Grade Method: REG/AUD.
Prerequisite: EDCI791. Credit will be granted for only one of the following: EDCI692 or EDCI792. Formerly EDCI692. Uses data collected in EDCI791 to consider methods oof on-going data analysis, ways of knowing and writing about field research, issues of reflexivity, and the ethical and political decisions involved in crafting text. Students will read literature on and exemplars of multiple modes of qualitative data analysis and interpretation.

0101	Bruce VanSledright	Seats (Total: 20)
	Th 4:15pm - 7:00pm	EDU 2121

EDCI798 **Special Problems in Teacher Education**

EDCI798 *(PermReq)* **Special Problems in Teacher Education; (1-6 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDCI799 **Master's Thesis Research**

EDCI799 Master's Thesis Research; (1-6 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDCI840 **Seminar in English Education**

EDCI840 Seminar in English Education; (3 credits) Grade Method: REG/AUD.

0101	Patricia Stock	Seats (Total: 15)
	Meets January 24, 2009 - May 9, 2009	
	Sa 9:00am - 12:30pm	EDU 2212

EDCI858 **Seminar in Mathematics Education**

EDCI858 Seminar in Mathematics Education; (1-3 credits) Grade Method: REG/AUD.

0101	Ann Edwards	Seats (Total: 20)
	F 11:00am - 1:00pm	EDU 2121

EDCI860 **Seminar in Reading Education**

EDCI860 Seminar in Reading Education; (3 credits) Grade Method: REG.

0101	Mariam Dreher	Seats (Total: 20)
	W 4:15pm - 7:00pm	EDU 2119

EDCI880 **Doctoral Proposal Seminar**

EDCI880 Doctoral Proposal Seminar; (3 credits) Grade Method: REG/AUD. *Prerequisites: EDCI 685; and EDCI 780; and permission of department.* Definition of the problem, development of research design, data collection processes, and writing and critiquing dissertation proposals.

0101	Rebecca Oxford	Seats (Total: 15)
	F 4:30pm - 7:15pm	EDU 2212B

EDCI888 **Apprenticeship in Education**

EDCI888 *(PermReq)* **Apprenticeship in Education; (1-8 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDCI888D **Apprenticeship in Education**

EDCI888D *(PermReq)* **Apprenticeship in Education; (1-8 credits)** Grade Method: REG/AUD.

IHP1	David Imig, Jean Snell	Seats (Total: 17)
	Contact instructor or department for details.	
	Outreach EDCI Doctoral Program Washington, D.C. Cohort, NEA. Department Approval Required.	

EDCI889 **Internship in Education**

EDCI889 *(PermReq)* **Internship in Education; (3-8 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDCI898 **Pre-Candidacy Research**

EDCI898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDCI899 **Doctoral Dissertation Research**

EDCI899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDCP Education Counseling and Personnel Services — Spring 2009

EDCP108B **College and Career Advancement: Concepts and Skills; Learning Strategies**

EDCP108B College and Career Advancement: Concepts and Skills: Learning Strategies; (1 credit) Grade Method: REG/P-F/AUD.

0201	Shirley Browner **Meets March 10, 2009 - May 8, 2009** MW 1:00pm - 1:50pm	Seats (Total: 25) HBK 1108
0501	Barbara Goldberg **Meets January 24, 2009 - March 16, 2009** Th 12:00pm - 1:50pm	Seats (Total: 30) COL 0102

EDCP108C **College and Career Advancement: Concepts and Skills; Career Clarification: Choosing a Major**

EDCP108C College and Career Advancement: Concepts and Skills: Career Clarification: Choosing a Major; (1 credit) Grade Method: REG/P-F/AUD. Recommended for freshman and sophmored needing to choose or clarify an academic major; juniors/seniors by permission of instructor.

0101	Linda Gast **Meets February 4, 2009 - April 18, 2009** Tu 10:00am - 11:50am	Seats (Total: 25) COL 0113

0201	Linda Gast **Meets February 4, 2009 - April 18, 2009** Tu 1:00pm - 2:50pm	Seats (Total: 25) COL 0113
0301	Jonathan Kandell **Meets February 4, 2009 - April 18, 2009** W 2:00pm - 3:50pm	Seats (Total: 25) CHM 0124
0401	Sharon Kirkland-Gordon **Meets February 4, 2009 - April 18, 2009** Th 11:00am - 12:50pm	Seats (Total: 25) EDU 0114

EDCP108G **College and Career Advancement: Concepts and Skills; Transfer Students in the University**

EDCP108G College and Career Advancement: Concepts and Skills: Transfer Students in the University; (1 credit) Grade Method: REG/P-F/AUD.
For transfer students.

0101	Beverly Greenfeig M 11:00am - 12:30pm	Seats (Total: 25) EDU 3233

EDCP108I **College and Career Advancement: Concepts and Skills; Academic Transitions to Internships**

EDCP108I College and Career Advancement: Concepts and Skills: Academic Transitions to Internships; (1 credit) Grade Method: REG/P-F/AUD.
Recommended for freshman, sophomores, and juniors. Designed for students who are seeking to learn more about strategies for finding an internship experience.

0101	Katelyn Glasser Tu 2:00pm - 2:50pm	Seats (Total: 20) HBK 3134
0201	Megan McKnight W 10:00am - 10:50am	Seats (Total: 20) HBK 3134
0301	Michael McDonald M 11:00am - 11:50am *Restricted to students in the College of Arts and Humanities.*	Seats (Total: 20) HBK 3134

EDCP108J **College and Career Advancement: Concepts and Skills; Job Search Strategies**

EDCP108J College and Career Advancement: Concepts and Skills: Job Search Strategies; (1 credit) Grade Method: REG/AUD.

For Juniors and Seniors. Designed for students who are seeking to learn more about strategies for landing full time employment following graduation and succeeding at work.

0101	Caitlin Haugen M 2:00pm - 2:50pm	Seats (Total: 20) HBK 3134
0201	Caitlin Haugen M 10:00am - 10:50am	Seats (Total: 20) HBK 3134
0301	Sherry Waldrep W 12:00pm - 12:50pm	Seats (Total: 20) HBK 3134
0401	Emily Kasper W 2:00pm - 2:50pm	Seats (Total: 20) HBK 3134
0501	Sherry Waldrep **Meets January 29, 2009 - March 12, 2009** TuTh 11:00am - 11:50am *This class meets bi-weekly for half the semester, 1/27/09-3/12/09.*	Seats (Total: 20) HBK 3134
0601	Letitia Williams Tu 12:00pm - 12:50pm	Seats (Total: 20) HBK 3134
0701	Stacey Brown M 10:00am - 10:50am *Restricted to students in the College of Arts and Humanities.*	Seats (Total: 20) HBK 0105

EDCP108M **College and Career Advancement: Concepts and Skills; Math Study Skills and Building Confidence**

EDCP108M College and Career Advancement: Concepts and Skills: Math Study Skills and Building Confidence; (1 credit) Grade Method: REG/AUD.

0101	Janet Thiel **Meets January 26, 2009 - March 6, 2009** Class time/details on ELMs	Seats (Total: 40) ONLINE

0201	Janet Thiel **Meets March 23, 2009 - May 1, 2009** Class time/details on ELMs	Seats (Total: 40) ONLINE
0301	Janet Thiel **Meets January 26, 2009 - March 16, 2009** M 3:00pm - 4:30pm *Preference given to ACE Program students.*	Seats (Total: 25) HBK 0105
0401	Janet Thiel **Meets March 11, 2009 - May 6, 2009** W 3:00pm - 4:30pm *Preference given to ACE Program students.*	Seats (Total: 25) HBK 0103

EDCP108N **College and Career Advancement: Concepts and Skills; Diversity Issues and Academic Strategies for Success**

EDCP108N College and Career Advancement: Concepts and Skills: Diversity Issues and Academic Strategies for Success; (1 credit) Grade Method: REG.

0101	Jason Rivera W 1:00pm - 2:00pm *Restricted to first-year and sophomore students only.*	Seats (Total: 25) SYM 0215
0701	Dottie Chicquelo M 2:00pm - 3:00pm *Restricted to first-year students and sophomores.*	Seats (Total: 25) HBK 1112

EDCP217 **Introduction to Student Leadership**

EDCP217 Introduction to Student Leadership; (3 credits) Grade Method: REG/P-F/AUD.
Freshmen and Sophomore standing. Credit will be granted for only one of the following: EDCP217 or EDCP317. Formerly EDCP317. Introduction to leadership theories, concepts, and skills. Completion of personal and leadership self-assessments, values exploration, and small group application.

0101	Dian Squire, Danielle Nied TuTh 12:30pm - 1:45pm	Seats (Total: 25) HZF 0106

0201	Claire Robbins, Katie Winstead TuTh 2:00pm - 3:15pm	Seats (Total: 25) COL 3110
0301	Alex Teh, Miranda Giossi MW 11:00am - 12:15pm	Seats (Total: 25) COL 3110

EDCP220 **Introduction to Human Diversity in Social Institutions**

EDCP220 Introduction to Human Diversity in Social Institutions; (3 credits) Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course. CORE Diversity (D) Course.
This highly-interactive format focuses on individual and social identities in the U.S., group differences and intergroup relations, systems of privilege and oppression, and advocacy for social justice. Topics will include diversity related to race, ethnicity, gender, sexual orientation, social class, (dis)ability, and religion. Course fulfills CORE requirements in diversity, social/behavioral bases, and interdisciplinary study. Some sections restricted.

0101	Samantha Sweeney TuTh 10:00am - 11:15am	Seats (Total: 25) BPS 1228

EDCP310 **Peer Counseling Theory and Skills**

EDCP310 Peer Counseling Theory and Skills; (3 credits) Grade Method: REG/P-F/AUD.
The theories and skills of peer helping relationships. Counseling theories and skills at a level appropriate for students seeking basic level training for use in peer counseling settings.

0101	Emily Gustafson TuTh 2:00pm - 3:15pm	Seats (Total: 25) ASY 3219
0201	Jill Paquin MW 2:00pm - 3:15pm	Seats (Total: 25) TYD 2108
0301	Georgina Johnston TuTh 9:30am - 10:45am	Seats (Total: 25) HJP 1229

EDCP312 **Multi-Ethnic Peer Counseling**

EDCP312 Multi-Ethnic Peer Counseling; (3 credits) Grade Method: REG. CORE Diversity (D) Course.
Prerequisite: undergraduate status. Sophomore standing. Formerly EDCP310A. Knowledge, skills, and attitude to function as peer helpers of Multi- Ethnic students.

0101	Nicole Bryan W 9:00am - 12:00pm	Seats (Total: 25) SYM 0215
0201	L Gomez W 2:00pm - 4:45pm	Seats (Total: 25) HBK 0109
0301	Michael Andrews W 2:00pm - 4:45pm	Seats (Total: 25) HBK 1108

EDCP315 **Student Leadership in Groups and Organizations**

EDCP315 Student Leadership in Groups and Organizations; (3 credits) Grade Method: REG/P-F/AUD.
Recommended: EDCP217. Acquiring and integrating leadership knowledge within group and organizational contexts so that students can navigate organizational environments and apply leadership in diverse communities of practice and career contexts.

0101	Benjamin Leming, Kenji Igawa TuTh 2:00pm - 3:15pm	Seats (Total: 25) PHY 0405
0201	Adrienne Roseti, Andrea Manning TuTh 12:30pm - 1:45pm	Seats (Total: 25) COL 0101
0301	Thomas Belchik, Kathleen Ball MW 2:00pm - 3:15pm	Seats (Total: 25) COL 3110
SG91	Nicole Bryan TuTh 9:30am - 10:45am	Seats (Total: 40) SG3 3225
	This section is limited to Communication majors at Shady Grove only.	

EDCP318G **Applied Contextual Leadership; Greek Presidents Class**

EDCP318G *(PermReq)* **Applied Contextual Leadership: Greek Presidents Class; (3 credits)** Grade Method: REG/P-F/AUD.

0101	Matthew Supple W 3:30pm - 6:30pm	Seats (Total: 55) TYD 1132

EDCP318I **Applied Contextual Leadership; Leadership in Global Contexts**

EDCP318I *(PermReq)* **Applied Contextual Leadership: Leadership in Global Contexts; (3 credits)** Grade Method: REG/P-F/AUD.

0101	Megan O'Rourke, Elizabeth Niehaus Tu 5:00pm - 7:00pm Contact instructor or department for details.	Seats (Total: 20) JMZ 0118

EDCP318J **Applied Contextual Leadership; Leadership and Sports**

EDCP318J Applied Contextual Leadership: Leadership and Sports; (3 credits) Grade Method: REG/P-F/AUD.

0101	Terry Zacker TuTh 12:30pm - 1:45pm	Seats (Total: 25) SQH 1117

EDCP318O **Applied Contextual Leadership; Orientation Leader**

EDCP318O *(PermReq)* **Applied Contextual Leadership: Orientation Leader; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: permission of department.

0101	Dian Squire W 5:30pm - 8:00pm	Seats (Total: 25) COL 0131

EDCP386 **Experiential Learning**

EDCP386 *(PermReq)* **Experiential Learning; (3 credits)** Grade Method: REG.
Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: permission of department. Junior standing. Special EDCP form required.

Contact department for information to register for this course.

EDCP417 **Advanced Leadership Seminar**

EDCP417 Advanced Leadership Seminar; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: EDCP317 or equivalent; permission of department. Students will analyze and synthesize the concept of leadership using cultural, ethical, sociological, historical perspectives. Exploration and reflection of personal values, decision making, in-depth analysis on various leadership activities. Theories will be emphasized.

0101	Kristan Skendall F 9:00am - 11:45am	Seats (Total: 20) CHM 0128

EDCP418B **Special Topics in Leadership; Black Student Leadership**

EDCP418B Special Topics in Leadership: Black Student Leadership; (3 credits) Grade Method: REG/P-F/AUD.

0101	Stella Okeke TuTh 11:00am - 12:15pm	Seats (Total: 20) SQH 1117

EDCP418C **Special Topics in Leadership; Latino Leadership**

EDCP418C Special Topics in Leadership: Latino Leadership; (3 credits) Grade Method: REG/P-F/AUD.

0101	Jason Rivera, Belkis Hernandez TuTh 11:00am - 12:15pm	Seats (Total: 20) HBK 0123

EDCP418F **Special Topics in Leadership; Jewish Leadership**

EDCP418F Special Topics in Leadership: Jewish Leadership; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as JWST419L.

0101	Ari Israel TuTh 2:00pm - 3:15pm	Seats (Total: 25) ARC 1101

EDCP418G **Special Topics in Leadership; Women's Leadership**

EDCP418G Special Topics in Leadership: Women's Leadership; (3 credits) Grade Method: REG/P-F/AUD.

0101	Marsha Guenzler-Stevens, Katie Conlon Tu 2:00pm - 5:00pm	Seats (Total: 20) COL 0100

EDCP418I **Special Topics in Leadership; LGBT Leadership**

EDCP418I Special Topics in Leadership: LGBT Leadership; (3 credits) Grade Method: REG/P-F/AUD.

0101	Gretchen Metzelaars TuTh 11:00am - 12:15pm	Seats (Total: 20) PLS 1117

EDCP420 **Advanced Topics in Human Diversity and Advocacy**

EDCP420 Advanced Topics in Human Diversity and Advocacy; (3 credits) Grade Method: REG/AUD. CORE Diversity (D) Course.
Prerequisite: permission of department. This course will build upon students' knowledge of diversity in American society and will examine contemporary topics related to multiculturalism in educational and community contexts as well as strategies for advocacy in such venues. This course fulfills CORE requirements in diversity.

0101	Joseph Miles MW 11:00am - 12:30pm	Seats (Total: 25) EDU 2102
SG92	Glacia Ethridge TuTh 9:30am - 10:45am *This section meets at the Shady Grove campus.*	Seats (Total: 40) SG3 3240

EDCP462 **Disability in American Society**

EDCP462 Disability in American Society; (3 credits) Grade Method: REG. CORE Diversity (D) Course.
Prerequisite: undergraduate status. 30 semester hours. Critical examination of the history of discrimination and analysis of current policies toward people with severe physical and mental disabilities. Recommended for Juniors and Seniors; Core Human Cultural Diversity Course.

0101	Ellen Fabian W 1:00pm - 4:00pm	Seats (Total: 24) EDU 3233

EDCP470 **Introduction to Student Personnel**

EDCP470 *(PermReq)* **Introduction to Student Personnel; (3 credits)** Grade Method: REG.

Prerequisite: permission of department. A systematic analysis of research and theoretical literature on a variety of major problems in the organization and administration of student personnel services in higher education. Included will be discussion of such topics as the student personnel philosophy in education, counseling services, discipline, housing, student activities, financial aid, health, remedial services, etc.

0101	Angela Jackson M 4:00pm - 5:15pm Tu 3:30pm - 5:00pm	Seats (Total: 10) JMZ 0220 EAS 0102	 Discussion
0102	Angela Jackson M 4:00pm - 5:15pm Tu 4:00pm - 5:30pm	Seats (Total: 10) JMZ 0220 ANN 1108A	 Discussion
0103	Angela Jackson M 4:00pm - 5:15pm Tu 4:00pm - 5:30pm	Seats (Total: 10) JMZ 0220 LPA 1125	 Discussion
0104	Angela Jackson M 4:00pm - 5:15pm Tu 4:30pm - 6:00pm	Seats (Total: 10) JMZ 0220 ANN 1108A	 Discussion
0105	Angela Jackson M 4:00pm - 5:15pm W 4:00pm - 5:30pm	Seats (Total: 10) JMZ 0220 SCC 6104	 Discussion
0106	Angela Jackson M 4:00pm - 5:15pm W 3:00pm - 4:30pm *The discussion section will meet at South Campus Commons Building #1.*	Seats (Total: 10) JMZ 0220 EAS 0102	 Discussion
0107	Angela Jackson M 4:00pm - 5:15pm W 4:30pm - 6:00pm *This section will meet in the Leonardtown Community Center.*	Seats (Total: 10) JMZ 0220 Location: TBA	 Discussion

0108	Angela Jackson M 4:00pm - 5:15pm Th 3:30pm - 5:00pm	Seats (Total: 10) JMZ 0220 CAM 1106	Discussion
0109	Angela Jackson M 4:00pm - 5:15pm Th 4:30pm - 6:00pm	Seats (Total: 10) JMZ 0220 DEN 1121	Discussion
0201	Angela Jackson M 5:30pm - 6:45pm Tu 3:00pm - 4:30pm	Seats (Total: 10) JMZ 0220 EAS 0102	Discussion
0202	Angela Jackson M 5:30pm - 6:45pm Tu 4:00pm - 5:30pm	Seats (Total: 10) JMZ 0220 ANN 1108A	Discussion
0203	Angela Jackson M 5:30pm - 6:45pm Tu 4:00pm - 5:30pm	Seats (Total: 10) JMZ 0220 LPA 1125	Discussion
0204	Angela Jackson M 5:30pm - 6:45pm Tu 4:30pm - 6:00pm	Seats (Total: 10) JMZ 0220 ANN 1108A	Discussion
0205	Angela Jackson M 5:30pm - 6:45pm W 4:00pm - 5:30pm	Seats (Total: 9) JMZ 0220 SCC 6104	Discussion
0206	Angela Jackson M 5:30pm - 6:45pm W 3:00pm - 4:30pm	Seats (Total: 9) JMZ 0220 EAS 0102	Discussion
	The discussion section will meet at South Campus Commons Building #1.		
0207	Angela Jackson M 5:30pm - 6:45pm W 4:30pm - 6:00pm	Seats (Total: 9) JMZ 0220 Location: TBA	Discussion
	This section will meet in the Leonardtown Community Center.		
0208	Angela Jackson M 5:30pm - 6:45pm Th 3:30pm - 5:00pm	Seats (Total: 9) JMZ 0220 CAM 1106	Discussion

0209	Angela Jackson M 5:30pm - 6:45pm Th 4:30pm - 6:00pm	Seats (Total: 9) JMZ 0220 DEN 1121	Discussion
0301	Angela Jackson Contact instructor or department for details.	Seats (Total: 6)	

EDCP489 **Field Experiences in Counseling and Personnel Services**

EDCP489 *(PermReq)* **Field Experiences in Counseling and Personnel Services; (1-4 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDCP498 **Special Problems in Counseling and Personnel Services**

EDCP498 *(PermReq)* **Special Problems in Counseling and Personnel Services; (1-3 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDCP498P **Special Problems in Counseling and Personnel Services; Happiness and Wellbeing**

EDCP498P Special Problems in Counseling and Personnel Services: Happiness and Wellbeing; (3 credits) Grade Method: REG/P-F/AUD.

0101	Helena Martin TuTh 8:00am - 9:15am	Seats (Total: 25) ARM 0118	

EDCP499 **Workshops, Clinics, Institutes**
Contact department for information to register for this course.

EDCP611 **Career Development Theory and Programs**

EDCP611 Career Development Theory and Programs; (3 credits) Grade Method: REG/AUD.
Research and theory related to career and educational decisions; programs of related information and other activities in career decision.

0101	Margaretha Lucas M 4:15pm - 7:00pm	Seats (Total: 15) EDU 0306

EDCP612 **Multicultural Issues in Counseling and Personnel Services**

EDCP612 Multicultural Issues in Counseling and Personnel Services; (3 credits) Grade Method: REG.
Prerequisite: permission of department. Socio-psychological, philosophical, clinical, and research topics related to the provision of counseling and personnel services, academic support, and career development for minority students on predominantly white college and university campuses. Implications of race and/or national origin on opportunities for personal, social, academic, and career development in educational settings.

0101	Courtland Lee W 4:15pm - 7:00pm	Seats (Total: 20) EDU 3233

EDCP615 **Counseling I: Appraisal**

EDCP615 Counseling I: Appraisal; (3 credits) Grade Method: REG/AUD.
Corequisite: EDCP6l8. For EDCP majors only. Collection and interpretation of appraisal data, synthesis of data through case study procedures. Development of interview skills.

0101	Ellen Fabian Tu 4:15pm - 7:00pm *Restricted for Rehabilitation Students only.*	Seats (Total: 15) JMZ 2207
0201	Karen Inkelas Tu 1:00pm - 3:45pm *Restricted for CSP Master Students only.*	Seats (Total: 20) EDU 2101
0301	Anita Young Tu 11:00am - 2:00pm *Restricted for School Counseling Students only.*	Seats (Total: 20) EDU 3233

EDCP618 **Counseling Skills: Introduction to Practicum**

EDCP618 Counseling Skills: Introduction to Practicum; (1 credit) Grade Method: REG.

0101	Mary Ann Hoffman Tu 4:15pm - 6:15pm	Seats (Total: 10) JMZ 0120	 Lab
0201	Mary Ann Hoffman Tu 4:15pm - 6:15pm	Seats (Total: 10) JMZ 1120	 Lab

EDCP619B **Practicum in Counseling; College Student Personnel**

EDCP619B *(PermReq)* **Practicum in Counseling: College Student Personnel; (3 credits)** Grade Method: REG/AUD.

0101	Vivian Boyd Th 1:00pm - 4:00pm	Seats (Total: 12) SHM 1103
0201	Dennis Kivlighan Th 1:00pm - 3:45pm	Seats (Total: 12) EDU 1315

EDCP619D **Practicum in Counseling; Practicum in School Counseling**

EDCP619D Practicum in Counseling: Practicum in School Counseling; (3 credits) Grade Method: REG.

0101	Courtland Lee Tu 4:15pm - 7:00pm	Seats (Total: 12) EDU 3236

EDCP619R **Practicum in Counseling; Rehabilitiation**

EDCP619R Practicum in Counseling: Rehabilitiation; (3 credits) Grade Method: REG/AUD.

0101	Paul Gold Th 4:15pm - 7:00pm	Seats (Total: 15) EDU 3233

EDCP625 **Counseling the Chemically Dependent**

EDCP625 *(PermReq)* **Counseling the Chemically Dependent; (3 credits)** Grade Method: REG.
Chemical dependency and its effects on the individual's personal, social, and work functioning. Counseling procedures for persons with drug and alcohol problems.

0101	Jo Ann Hutchinson Class time/details on ELMs	Seats (Total: 18) ONLINE

EDCP632 **Cognitive Assessment**

EDCP632 Cognitive Assessment; (3 credits) Grade Method: REG/AUD.
Prerequisite: Limited to school psychology students or permission of department. Assessment of cognitive functioning of children and adolescents in reference to school learning and behavior problems. Administering, scoring and interpreting cognitive assessment instruments commonly used in school systems. Course will be taught off-campus.

0101	Laurie Bassan Tu 4:00pm - 6:45pm	Seats (Total: 10) ARC 1121
OM11	Laurie Bassan Tu 4:00pm - 6:45pm	Seats (Total: 2) Location: TBA

EDCP633 **Diagnostic Appraisal of Children I**

EDCP633 Diagnostic Appraisal of Children I; (3 credits) Grade Method: REG/AUD.
Prerequisite: EDCP 632. Assessment of development, emotional and learning problems of children.

0101	Hedwig Teglasi Tu 10:00am - 12:45pm	Seats (Total: 10) EDU 2102

EDCP635 **School Consultation I**

EDCP635 School Consultation I; (3 credits) Grade Method: REG/AUD.
Prerequisite: limited to school psychology students or permission of instructor. Theory and practice of consultation services in the school setting. Understanding of school culture. Introduction to problem solving model of case consultation for assessment and remediation of learning and behavior problems in the classroom. Practicum experience.

0101	Deborah Nelson Th 1:00pm - 3:45pm	Seats (Total: 10) EDU 1210B

EDCP636 **School Consultation II**

EDCP636 School Consultation II; (3 credits) Grade Method: REG/AUD.
Prerequisites: EDCP 635, limited to school psychology students or permission of instructor. Didactic practicum in consultation services in the school setting. Case consultation and organizational consultation in the schools. Practicum experience. Course will be taught off-campus.

0101	Sylvia Rosenfield Tu 1:15pm - 4:00pm	Seats (Total: 10) EDU 3236

EDCP655 **Organizational Dimensions of Student Affairs**

EDCP655 Organizational Dimensions of Student Affairs; (3 credits) Grade Method: REG.
Prerequisite: EDCP610 or permission of department. Exploration of leadership and organizational change of student affairs programs in post-secondary education.

0101	Susan Komives W 3:15pm - 6:00pm	Seats (Total: 20) EDU 0206

EDCP668 **Special Topics in Rehabilitation; Job Dev & placement**
Contact department for information to register for this course.

EDCP668A **Special Topics in Rehabilitation; Job Development and Placement**
Contact department for information to register for this course.

EDCP680 **Basic Didactic Practicum in Counseling Psychology**

EDCP680 Basic Didactic Practicum in Counseling Psychology; (3 credits) Grade Method: S-F.
For Counseling Psychology majors only. Also offered as PSYC 680. Formerly PSYC776. In depth examination of counseling theories and techniques, and supervised experience in application of a range of counseling and therapy approaches.

0101	Pepper Phillips Tu 1:00pm - 4:00pm	Seats (Total: 10) SHM 1103

EDCP686 **Counseling Psychology Didactic Practicum in Career Interventions**

EDCP686 Counseling Psychology Didactic Practicum in Career Interventions; (3 credits) Grade Method: S-F.
For Counseling Psychology majors only. Also offered as PSYC 681. Formerly EDCP777. In depth examination of theorectical approaches and issues in career interventions; supervised experience in career counseling and assessment.

0101	Robert Lent Tu 1:00pm - 4:00pm	Seats (Total: 8) LEF 1221

EDCP690 **Research in Counseling Psychology I**

EDCP690 Research in Counseling Psychology I; (3 credits) Grade Method: REG.
For Counseling Psychology majors only. Also offered as PSYC690. Formerly EDCP778. Critical analysis of strategies, methodological, conceptual, and content trends.

0101	Matthew Miller W 1:00pm - 4:00pm	Seats (Total: 15) EDU 1210B

EDCP691 **Research in Counseling Psychology II**

EDCP691 Research in Counseling Psychology II; (3 credits) Grade Method: REG.
For Counseling Psychology majors only. Also offered as PSYC 691. Formerly EDCP717. Critical analysis of trends and issues in counseling psychology science.

0101	Mary Ann Hoffman Tu 1:00pm - 4:00pm	Seats (Total: 20) COL 3114

EDCP694 **Student Leadership Development**

EDCP694 Student Leadership Development; (3 credits) Grade Method: REG/AUD.
Credit will be granted for only one of the following: EDCP694 or EDCP789D. Formerly EDCP789D. Explores the development of leadership among college students including the study of leadership theory; a focus on how leadership is learned and developed; cultural demensions of leadership; and exposure to the current national scene in leadership associations, programs, and resources.

0101	Susan Komives	Seats (Total: 20)
	Tu 9:00am - 11:45am	EDU 0202

EDCP717 **Evaluation of Research in Counseling**

EDCP717 Evaluation of Research in Counseling; (3 credits) Grade Method: REG/AUD.
Prerequisite: permission of department. Research on process and outcome in counseling. A review of research and appropriate research methodologies.

0101	Gary Gottfredson	Seats (Total: 20)
	W 1:00pm - 4:00pm	EDU 2101

EDCP738 **Practicum in Child Assessment**

EDCP738 Practicum in Child Assessment; (3 credits) Grade Method: REG/AUD.

0101	Hedwig Teglasi	Seats (Total: 10)
	Th 9:00am - 12:15pm	Location: TBA

EDCP742 **Examining College Environments and Outcomes**

EDCP742 Examining College Environments and Outcomes; (3 credits) Grade Method: REG/AUD.
Prerequisite: EDMS651 or permission of instructor. Credit will be granted for only one of the following: EDCP742 or EDCP789K. Formerly EDCP789K. Explores theory and research on the impact of the college environment on undergraduate student outcomes. Discusses environmental theory and assessment, college impact theory, outcomes assessment, and implications of the above for higher education and student affairs.

0101	Karen Inkelas M 1:00pm - 4:00pm	Seats (Total: 20) EDU 3233

EDCP746 **Clinical Supervision of Pupil Personnel Services**

EDCP746 Clinical Supervision of Pupil Personnel Services; (3 credits) Grade Method: REG.
Prerequisite: permission of instructor For Advanced Doctoral Students Only.
Supervision of role of psychologists and counselors in school settings; applied skills in supervision of services.

0101	Sylvia Rosenfield Contact instructor or department for details. *Restricted to School Psychology Students or permission of instructor.*	Seats (Total: 15)

EDCP771 **The College Student**

EDCP771 The College Student; (3 credits) Grade Method: REG/AUD.
A demographic study of the characteristics of college students as well as a study of their aspirations, values, and purposes. Limited to Master's CSP students.

0101	Stephen Quaye W 1:00pm - 3:45pm	Seats (Total: 25) EDU 1315

EDCP773 **Designing Qualitative Research in Counseling and Student Affairs Contexts**

EDCP773 Designing Qualitative Research in Counseling and Student Affairs Contexts; (3 credits) Grade Method: REG/AUD.
Introduction to philosophical and epistemological foundations, methodologies and methods associated with qualitative research designs appropriate in student affairs and counseling contexts.

0101	Stephen Quaye M 4:15pm - 7:00pm	Seats (Total: 20) EDU 3233

EDCP789A **Advanced Topics in Counseling and Personnel Services; First Year Seminar**

EDCP789A Advanced Topics in Counseling and Personnel Services: First Year Seminar; (1 credit) Grade Method: REG/AUD.

0101	Gary Gottfredson F 12:00pm - 2:00pm	Seats (Total: 20) EDU 2102

EDCP789K **Advanced Topics in Counseling and Personnel Services; Urban Leadership, Advocacy and Policy Issues for Counselors**

EDCP789K Advanced Topics in Counseling and Personnel Services: Urban Leadership, Advocacy and Policy Issues for Counselors; (3 credits) Grade Method: REG/AUD.

0101	Courtland Lee Th 1:15pm - 4:00pm	Seats (Total: 10) EDU 3233

EDCP789N **Advanced Topics in Counseling and Personnel Services; Therapeutic Approaches with Children**

EDCP789N Advanced Topics in Counseling and Personnel Services: Therapeutic Approaches with Children; (3 credits) Grade Method: REG.

0101	William Strein M 4:15pm - 7:00pm	Seats (Total: 10) EDU 3236

EDCP789O **Advanced Topics in Counseling and Personnel Services; Academic Assessment and Interventions for School Psychologists**

EDCP789O Advanced Topics in Counseling and Personnel Services: Academic Assessment and Interventions for School Psychologists; (3 credits) Grade Method: REG.

0101	Lauren Kaiser M 3:00pm - 5:45pm	Seats (Total: 10) JMZ 1123

EDCP789T **Advanced Topics in Counseling and Personnel Services; Program Planning**

EDCP789T Advanced Topics in Counseling and Personnel Services: Program Planning; (3 credits) Grade Method: REG.

0101	Vivian Lee W 7:00pm - 9:45pm	Seats (Total: 20) EDU 3236

EDCP789Y **Advanced Topics in Counseling and Personnel Services; Research Counseling**

EDCP789Y Advanced Topics in Counseling and Personnel Services: Research Counseling; (3 credits) Grade Method: REG.

0101	Julia Bryan	Seats (Total: 15)
	Th 4:15pm - 7:00pm	Location: TBA

EDCP798 **Special Problems in Counseling and Personnel Services**

EDCP798 *(PermReq)* **Special Problems in Counseling and Personnel Services; (1-6 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDCP799 **Master's Thesis Research**

EDCP799 Master's Thesis Research; (1-6 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDCP888 **Apprenticeship in Counseling and Personnel Services**

EDCP888 *(PermReq)* **Apprenticeship in Counseling and Personnel Services; (1-8 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDCP888A **Apprenticeship in Counseling and Personnel Services; College Student Personnel**

EDCP888A Apprenticeship in Counseling and Personnel Services: College Student Personnel; (3 credits) Grade Method: REG.

0101	Marsha Guenzler-Stevens	Seats (Total: 10)
	Contact instructor or department for details.	

EDCP888C **Apprenticeship in Counseling and Personnel Services; School Psychology**

EDCP888C Apprenticeship in Counseling and Personnel Services: School Psychology; (1-8 credits) Grade Method: REG/AUD.

0101	William Strein Contact instructor or department for details.	Seats (Total: 15)
0201	Hedwig Teglasi Contact instructor or department for details.	Seats (Total: 15)
0301	Sylvia Rosenfield Contact instructor or department for details.	Seats (Total: 15)
0401	Gary Gottfredson Contact instructor or department for details.	Seats (Total: 15)

EDCP888G **Apprenticeship in Counseling and Personnel Services; School Counseling**

EDCP888G *(PermReq)* **Apprenticeship in Counseling and Personnel Services: School Counseling; (1-6 credits)** Grade Method: REG.
For school counseling students only.

0101	Courtland Lee M 4:00pm - 6:45pm	Seats (Total: 10) Location: TBA

EDCP888R **Apprenticeship in Counseling and Personnel Services**

EDCP888R Apprenticeship in Counseling and Personnel Services; (3 credits) Grade Method: REG.
For second year Rehabilitation Counseling students only.

0101	Kim MacDonald-Wilson Tu 4:15pm - 7:00pm	Seats (Total: 12) EDU 1107

EDCP888T **Apprenticeship in Counseling and Personnel Services; College Student Personnel Teaching Apprenticeship**

EDCP888T Apprenticeship in Counseling and Personnel Services: College Student Personnel Teaching Apprenticeship; (3 credits) Grade Method: REG.

0101	Kristan Skendall Tu 8:30am - 11:00am	Seats (Total: 20) EDU 1210B

EDCP889 **Internship in Counseling and Personnel Services; Internship in Counseling and Personnel Services**

EDCP889 Internship in Counseling and Personnel Services: Internship in Counseling and Personnel Services; (1-8 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDCP898 **Pre-Candidacy Research**

EDCP898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDCP899 **Doctoral Dissertation Research**

EDCP899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDHD Education, Human Development Spring 2009

EDHD210 **Foundations of Early Childhood Education**

EDHD210 *(PermReq)* **Foundations of Early Childhood Education; (3 credits)** Grade Method: REG.
Corequisite: EDHD220. An overview of historical, philosophical, psychological, and contemporary influences on the field of early childhood education.

0101	Elisa Klein	Seats (Total: 30)
	M 1:00pm - 4:00pm	EDU 0306

EDHD220 **Exploring Teaching in Early Childhood Education**

EDHD220 *(PermReq)* **Exploring Teaching in Early Childhood Education; (3 credits)** Grade Method: REG.
Corequisite: EDHD210. Practicum with preschool children at the Center for Young Children, University lab school, and other preschools. Students reflect on personal strengths, identify areas of growth, and examine their predisposition to teach.

0101	Jeanne Galbraith Tu 2:00pm - 4:00pm M 8:00am - 12:00pm	Seats (Total: 5) EDU 3233 Location: TBA	Lab
0102	Jeanne Galbraith Tu 2:00pm - 4:00pm Tu 8:00am - 12:00pm	Seats (Total: 5) EDU 3233 Location: TBA	Lab
0103	Jeanne Galbraith Tu 2:00pm - 4:00pm W 8:00am - 12:00pm	Seats (Total: 5) EDU 3233 Location: TBA	Lab
0104	Jeanne Galbraith Tu 2:00pm - 4:00pm Th 8:00am - 12:00pm	Seats (Total: 5) EDU 3233 Location: TBA	Lab
0105	Jeanne Galbraith Tu 2:00pm - 4:00pm F 8:00am - 12:00pm	Seats (Total: 5) EDU 3233 Location: TBA	Lab

EDHD222 **Literature in the Early Childhood Classroom**

EDHD222 *(PermReq)* **Literature in the Early Childhood Classroom; (3 credits)**
Grade Method: REG.
For early childhood education majors only. Credit will be granted for only one of the following: EDCI443A or EDHD222. Introduces students to the realm of literature for young children. Through studying, reading, listening to and using books and poems, students develop an understanding about qualities in literature that are meaningful to children.

0101	Maria Salvadore Th 1:00pm - 4:00pm	Seats (Total: 27) CYC 1213

EDHD230 **Human Development and Societal Institutions**

EDHD230 Human Development and Societal Institutions; (3 credits) Grade Method: REG/AUD. CORE Behavioral and Social Science (SB) Course. CORE Diversity (D) Course.
Development of the individual in the context of relationships with the formal and informal institutions of society. An examination of various aspects of development from the broad perspective of the social sciences.

0101	Karen Watkins-Lewis MW 9:30am - 10:45am	Seats (Total: 30) EDU 0114
0201	Karen Watkins-Lewis MW 11:00am - 12:15pm	Seats (Total: 28) EDU 3236
0301	Bridget Fredstrom TuTh 11:00am - 12:15pm	Seats (Total: 30) EDU 0306

EDHD285 **Designing Multimedia Computer Environments for Learners**

EDHD285 *(PermReq)* **Designing Multimedia Computer Environments for Learners; (3 credits)** Grade Method: REG.
For early childhood majors only. Freshman standing. A focus on the application of new computer technologies for learners in an educational setting. Topics to be explored: understanding the learner as a technology user, defining learning outcomes to be supported by technology, differing approaches to the technology design process and methods of technology integration in the classroom.

0101	Bonnie Mackintosh W 1:00pm - 4:00pm	Seats (Total: 25) EDU 0304

EDHD306 **Research Methods in Human Development**

EDHD306 Research Methods in Human Development; (3 credits) Grade Method: REG/AUD.
Addresses the scientific concepts and principles central to the study of human behavior and development. Students will learn about basic research methods in studying human behavior in developmental context and will participate in experiential activities, such as conducting observations and collecting self-report data. Major themes: goals of developmental research, fundamental research designs, types of measurement, elements of good scientific writing, and ethical issues in the study of human development.

0101	Cameron Richardson MW 9:30am - 10:45am	Seats (Total: 40) EDU 1121
0201	Cameron Richardson MW 11:00am - 12:15pm	Seats (Total: 24) EDU 0202

EDHD313 **Creative Experiences for Young Children**

EDHD313 *(PermReq)* **Creative Experiences for Young Children; (3 credits)** Grade Method: REG.
Prerequisites: admission to teacher education program; 2.5 GPA; permission of department; EDCI280. For early childhood majors only. Credit will be granted for only one of the following: EDHD313 or EDCI313. Formerly EDCI313. Provides preservice teachers with an understanding of the current research on the development of creativity and integration of the arts into an early childhood classroom. Resident artists from the Wolf Trap Company will give demonstration lesson in music, art, movement and dance.

0101	Elisa Klein W 1:00pm - 3:00pm Contact instructor or department for details.	Seats (Total: 37) EDU 0306

EDHD314 **Reading in Early Childhood Classroom: Instructions and Materials Part I**

EDHD314 *(PermReq)* **Reading in Early Childhood Classroom: Instructions and Materials Part I; (3 credits)** Grade Method: REG.
For early childhood majors only. This course introduces early childhood students to current research and methods on teaching reading.

0101	Lea Christenson Th 1:00pm - 3:00pm Contact instructor or department for details.	Seats (Total: 37) EDU 0306

EDHD319 **Selected Topics in Human Development**

EDHD319 Selected Topics in Human Development; (3 credits) Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDHD320 **Human Development Through the Life Span**

EDHD320 Human Development Through the Life Span; (3 credits) Grade Method: REG/AUD.
Central concepts related to parameters of human development, individual and social, which arise throughout the life span. Continuity and change within the developing individual.

0101	Albert Gardner TuTh 11:00am - 12:15pm	Seats (Total: 40) EDU 3315
0201	Albert Gardner TuTh 12:30pm - 1:45pm	Seats (Total: 40) EDU 3315
0301	Bridget Fredstrom TuTh 9:30am - 10:45am	Seats (Total: 40) EDU 3315
0401	Shannon Russell MW 2:00pm - 3:15pm	Seats (Total: 30) EDU 0114
0501	Shannon Russell MW 11:00am - 12:15pm	Seats (Total: 40) EDU 3315
0601	Wei Gao MW 9:30am - 10:45am	Seats (Total: 40) EDU 2119
0701	Nicole Denmark MW 9:30am - 10:45am	Seats (Total: 40) EDU 3315

0801	Alaina Brenick MW 2:00pm - 3:15pm	Seats (Total: 40) EDU 1107
0901	Sandra Baker TuTh 12:30pm - 1:45pm	Seats (Total: 40) COL 3110
1001	Sandra Baker TuTh 9:30am - 10:45am	Seats (Total: 28) EDU 1121
1101	Wei Gao MW 12:30pm - 1:45pm	Seats (Total: 40) COL 0102
1201	Melissa Duchene MW 11:00am - 12:15pm	Seats (Total: 40) TYD 0111
1301	Theresa Hoffmann TuTh 9:30am - 10:45am	Seats (Total: 40) EDU 1107
1401	Khalisa Herman W 4:15pm - 7:00pm	Seats (Total: 40) EDU 3315

EDHD386 **Experiential Learning**

EDHD386 *(PermReq)* **Experiential Learning; (3-6 credits)** Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: permission of department. Junior standing.

Contact department for information to register for this course.

EDHD400 **Introduction to Gerontology**

EDHD400 Introduction to Gerontology; (3 credits) Grade Method: REG/AUD. Multidisciplinary survey of the processes of aging. Physiological changes, cultural forces, and self-processes that bear on quality of life in later years. Field study of programs, institutions for elderly, individual elders, their families and care providers.

0101	Elizabeth Robertson-Tchabo M 1:00pm - 3:45pm	Seats (Total: 45) HJP 2242

0201	Elizabeth Robertson-Tchabo Th 1:00pm - 3:45pm	Seats (Total: 50) EDU 2119

EDHD401 **Promoting Optimal Aging**

EDHD401 Promoting Optimal Aging; (3 credits) Grade Method: REG/AUD. *Prerequisite: EDHD320, or EDHD400, or permission of department. Also offered as EDHD641. Credit will be granted for only one of the following: EDHD401 or EDHD641.* Theoretical, research, and applied issues related to optimal aging from psychological, biological, and societal perspectives. Group or individual projects involving direct field experiences.

0101	Megan Hurley W 9:30am - 12:15pm	Seats (Total: 35) HBK 0108

EDHD411 **Child Growth and Development**

EDHD411 Child Growth and Development; (3 credits) Grade Method: REG/AUD. Theoretical approaches to and empirical studies of physical, psychological and social development from conception to puberty. Implications for home, school and community.

0101	Megan Kelly Tu 1:00pm - 3:45pm	Seats (Total: 28) EDU 0114
0201	Jennie Lee-Kim M 9:00am - 11:45am	Seats (Total: 40) EDU 0212
	This section is restricted Education majors only with the following major codes: 0802L, 0802P, 0823L, 0823P, 0831L, 0831P, 0832L, 0832P, 0833L, 0833P, 0834L, 0834P, 0840L, 0840P, 0841L, 0841P, 0842L, 0842P, 0843L, 0843P, 0844L and 0844P.	
0301	Alexis Williams W 9:00am - 11:45am	Seats (Total: 30) ASY 3203
	This section is restricted Education majors only with the following major codes: 0802L, 0802P, 0823L, 0823P, 0831L, 0831P, 0832L, 0832P, 0833L, 0833P, 0834L, 0834P, 0840L, 0840P, 0841L, 0841P, 0842L, 0842P, 0843L, 0843P, 0844L and 0844P.	

EDHD413 **Adolescent Development**

EDHD413 Adolescent Development; (3 credits) Grade Method: REG/AUD. Adolescent development, including special problems encountered in contemporary culture. Observational component and individual case study. Sections 0201-0301 are for the secondary education majors only. Also offered as EDHD619J.

0101	Jo-Ann Amadeo MW 11:00am - 12:15pm	Seats (Total: 26) EDU 2101
0201	Nathan Hall Tu 1:00pm - 3:45pm *This section is restricted Education majors only with the following major codes: 0802L, 0802P, 0823L, 0823P, 0831L, 0831P, 0832L, 0832P, 0833L, 0833P, 0834L, 0834P, 0840L, 0840P, 0841L, 0841P, 0842L, 0842P, 0843L, 0843P, 0844L and 0844P.*	Seats (Total: 26) EDU 0206
0301	Jennie Lee-Kim W 9:00am - 11:45am *This section is restricted Education majors only with the following major codes: 0802L, 0802P, 0823L, 0823P, 0831L, 0831P, 0832L, 0832P, 0833L, 0833P, 0834L, 0834P, 0840L, 0840P, 0841L, 0841P, 0842L, 0842P, 0843L, 0843P, 0844L and 0844P.*	Seats (Total: 26) EDU 0206

EDHD415 **Social Competence in Young Children**

EDHD415 *(PermReq)* **Social Competence in Young Children; (3 credits)** Grade Method: REG.
For early childhood majors only. Junior standing. Students will discuss issues and topics relevant to the study of children's social competence, peer interactions, relationships, and groups. Includes field experience.

0101	Natasha Cabrera M 1:00pm - 4:00pm	Seats (Total: 37) EDU 0212

EDHD419B **Human Development and Learning in School Settings; Human Development and Learning**

EDHD419B *(PermReq)* **Human Development and Learning in School Settings: Human Development and Learning; (3 credits)** Grade Method: REG/AUD.
For students who were enrolled in EDHD 419A the preceding fall. For early childhood majors only.

0101	Brenda Jones Harden W 9:00am - 12:00pm Contact instructor or department for details.	Seats (Total: 37) EDU 0212

EDHD420 **Cognitive Development and Learning**

EDHD420 Cognitive Development and Learning; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: either EDHD300, EDHD320, EDHD411, PSYC355, PSYC341 or permission of department. Current developmental theories of cognitive processes such as language, memory, and intelligence and how differences in cognitive level (infancy through adolescence) mediate learning of educational subject matters.

0101	A Winters TuTh 11:00am - 12:15pm	Seats (Total: 35) HJP 1104

EDHD424 **Culture and Community Perspectives: The Diverse World of the Child**

EDHD424 *(PermReq)* **Culture and Community Perspectives: The Diverse World of the Child; (3 credits)** Grade Method: REG.
Corequisites: EDHD314, EDHD419, EDHD313, EDSP470. For early childhood majors only. Junior standing. Explores the development of the young child in the context of family and community, with particular emphasis on the impact of state, federal and school system policy on the child's world.

0101	Christy Tirrell-Corbin Tu 1:00pm - 3:00pm Contact instructor or department for details.	Seats (Total: 37) EDU 0306

EDHD425 **Language Development and Reading Acquisition**

EDHD425 *(PermReq)* **Language Development and Reading Acquisition; (3 credits)** Grade Method: REG.
This course focuses on young children's language development and the relationship between language and reading acquisition. Students will learn: concepts central to language development; language achievements at different ages; concepts of emergent literacy; models of reading acquisition and skilled reading. This course is restricted to the following education majors: 0802L, 0802P, 0823L, 0823P, 0808L and 0808P.

0101	Donald Bolger MW 11:00am - 12:15pm	Seats (Total: 30) EDU 0114
0201	Meghan Parkinson TuTh 11:00am - 12:15pm	Seats (Total: 26) EDU 2101
0301	Meghan Parkinson TuTh 2:00pm - 3:15pm	Seats (Total: 26) EDU 2102

EDHD426 **Cognition and Motivation in Reading: Reading in Content Areas I**

EDHD426 *(PermReq)* **Cognition and Motivation in Reading: Reading in Content Areas I; (3 credits)** Grade Method: REG.
Students preparing for secondary teaching will learn the cognitive and motivational aspects of reading and learning from text in subjects of literature, science, history and mathematics. Different structured approaches to using text for content learning are presented. Classroom contexts that enable students to engage productively with diverse texts and internet resources are identified. This course is restricted to Education majors.

0101	Sarah Fillman Tu 4:15pm - 7:00pm	Seats (Total: 30) PLS 1113
0201	Amy Huque W 4:15pm - 7:00pm	Seats (Total: 25) EDU 3236
0301	Christopher Ellis Th 4:15pm - 7:00pm	Seats (Total: 26) EDU 0206

EDHD430 **Adolescent Violence**

EDHD430 Adolescent Violence; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: PSYC100 or permission of department. Examines the roots of violence among adolescents and the extent to which this constitutes a problem in various settings. Research studies on its origins, prevention and intervention and implications for social policy are examined.

0101	Robert Marcus M 4:15pm - 7:00pm	Seats (Total: 40) EDU 3315

EDHD432 **Student Teaching Pre-K-3**

EDHD432 Student Teaching Pre-K-3; (12 credits) Grade Method: S-F. *Prerequisites: EDHD427, EDHD321, EDHD322, EDHD323, EDHD435. Corequisite: EDCI464. For early childhood majors only. Senior standing. Not open to students who have completed EDHD421, EDHD422 and EDHD423. Credit will be granted for only one of the following: EDHD421, EDHD422, and EDHD423; or EDHD432.* There is a $400.00 lab fee for this course.

0101	Christy Tirrell-Corbin	Seats (Total: 40)
	Contact instructor or department for details.	

EDHD445 **Guidance of Young Children**

EDHD445 Guidance of Young Children; (3 credits) Grade Method: REG/AUD. *Prerequisite: PSYC100 or permission of department.* Practical aspects for helping and working with children, drawing on research, clinical studies, and observation. Implications for day care and other public issues.

0101	Allison Meisch	Seats (Total: 40)
	Tu 6:00pm - 8:45pm	ASY 3203

EDHD460 **Educational Psychology**

EDHD460 Educational Psychology; (3 credits) Grade Method: REG/AUD. *Prerequisite: PSYC100 or permission of department.* Application of psychology to learning processes and theories. Individual differences, measurement, motivation, emotions, intelligence, attitudes, problem solving, thinking and communicating in educational settings. (May not be substituted for EDHD300 by students in professional teacher education programs.)

0101	Patricia Alexander	Seats (Total: 30)
	TuTh 11:00am - 12:15pm	EDU 0212
0201	Daniel Dinsmore	Seats (Total: 30)
	MW 11:00am - 12:15pm	EDU 0306
0301	Daniel Dinsmore	Seats (Total: 40)
	MW 2:00pm - 3:15pm	EDU 2119

EDHD489 **Field Experiences in Education**

EDHD489 *(PermReq)* **Field Experiences in Education; (1-4 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDHD498 **Special Problems in Education**

EDHD498 *(PermReq)* **Special Problems in Education; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDHD602 **Social Bases of Behavior**

EDHD602 Social Bases of Behavior; (3 credits) Grade Method: REG.
The social forces and expectations that influence behavior from infancy through old age and death. The effects of ethnicity, social learning values, attitudes, historical events and mass media on perception and behavior in societal interactions.

0101	Robert Marcus Th 4:15pm - 7:00pm	Seats (Total: 25) ASY 3221

EDHD619A **Advanced Scientific Concepts in Human Development; Educational Psychology**

EDHD619A Advanced Scientific Concepts in Human Development: Educational Psychology; (3 credits) Grade Method: REG.

0101	Patricia Alexander TuTh 11:00am - 12:15pm	Seats (Total: 10) EDU 0212

EDHD629 **Seminar for the Center for Children, Relationships, and Culture**

EDHD629 Seminar for the Center for Children, Relationships, and Culture; (1 credit) Grade Method: S-F.

0101	Melanie Killen W 11:45am - 2:15pm	Seats (Total: 25) EDU 1121

EDHD718 **Apprenticeship in College Teaching**

EDHD718 *(PermReq)* **Apprenticeship in College Teaching; (1 credit)** Grade Method: REG.

0101	Ann Battle	Seats (Total: 10)
	Contact instructor or department for details.	

EDHD721 **Cognitive Development and Learning: An Introduction**

EDHD721 Cognitive Development and Learning: An Introduction; (3 credits) Grade Method: REG.
3 semester hours. Introductory survey into contemporary theory and research in cognitive development; applications to classroom learning.

0101	Geetha Ramani	Seats (Total: 20)
	Tu 4:15pm - 7:00pm	EDU 0206

EDHD722 **Learning Theory and the Educative Process II**

EDHD722 Learning Theory and the Educative Process II; (3 credits) Grade Method: REG.
Prerequisite: EDHD 721 or permission of department. Advanced study of theories, issues and research in several categories of cognition and learning applied to education and the helping professions.

0101	Patricia Alexander	Seats (Total: 20)
	Tu 4:15pm - 7:00pm	EDU 3315

EDHD750 **Culture, Context, and Development**

EDHD750 Culture, Context, and Development; (3 credits) Grade Method: REG.
This course will cover theory and research on cultural and contextual influences on social development.

0101	Melanie Killen	Seats (Total: 20)
	Tu 1:00pm - 3:45pm	EDU 1108

EDHD779G **Special Topics in Human Development; Secondary Reading Certification**

Contact department for information to register for this course.

EDHD779I **Special Topics in Human Development; Principles of Cognitive Neuroscience/Applications to Education**

EDHD779I Special Topics in Human Development: Principles of Cognitive Neuroscience/Applications to Education; (3 credits) Grade Method: REG.

0101	Donald Bolger	Seats (Total: 20)
	Th 1:00pm - 3:45pm	EDU 2101

EDHD779L **Special Topics in Human Development; Workshops, Clinics & Insittutes/Adolescents at Risk**
Contact department for information to register for this course.

EDHD780 **Research Methods in Human Development**

EDHD780 Research Methods in Human Development; (3 credits) Grade Method: REG/AUD.
Prerequisite: EDMS 651 or permission of department. Potentials and limitations of empirical observation for contributing to human development knowledge, locating and evaluating relevant human development research, and choosing and applying statistical techniques to human development problems.

0101	Kathryn Wentzel	Seats (Total: 20)
	M 4:15pm - 7:00pm	EDU 2102

EDHD789 **Internship in Human Development**

EDHD789 *(PermReq)* **Internship in Human Development; (3-8 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDHD798 **Special Problems in Education**

EDHD798 *(PermReq)* **Special Problems in Education; (1-6 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Limited to human development majors.

Contact department for information to register for this course.

EDHD799 **Master's Thesis Research**

EDHD799 *(PermReq)* **Master's Thesis Research; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.
Limited to human development majors.

Contact department for information to register for this course.

EDHD872 **Young Children at Environmental Risk: Developmental and Intervention Issues**

EDHD872 Young Children at Environmental Risk: Developmental and Intervention Issues; (3 credits) Grade Method: REG.
Examination of impact of poverty on young children, their families, and communities. Epidemiological, physiological, and sociological studies will be reviewed.

0101	Brenda Jones Harden	Seats (Total: 20)
	Th 4:15pm - 7:00pm	EDU 3315

EDHD888 **Apprenticeship in Education**

EDHD888 *(PermReq)* **Apprenticeship in Education; (1-8 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDHD889 **Internship in Education**

EDHD889 *(PermReq)* **Internship in Education; (3-8 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDHD898 **Pre-Candidacy Research**

EDHD898 *(PermReq)* **Pre-Candidacy Research; (1-8 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDHD899 **Doctoral Dissertation Research**

EDHD899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.
Limited to human development majors.

Contact department for information to register for this course.

EDHI Education Leadership, Higher Ed and International Ed — Spring 2009

EDHI338 **Teaching and Learning about Cultural Diversity through Intergroup Dialogue; Intergroup Dialogue I**

Contact department for information to register for this course.

EDHI338A **Teaching and Learning about Cultural Diversity through Intergroup Dialogue; People of Color/White People 1**

EDHI338A *(PermReq)* **Teaching and Learning about Cultural Diversity through Intergroup Dialogue: People of Color/White People 1; (1 credit)** Grade Method: REG/P-F/AUD.

0101	Mark Brimhall, Alison Mojto, Denise Cook	Seats (Total: 20)
	Meets January 26, 2009 - March 14, 2009	
	W 4:00pm - 6:00pm	JMZ 0120

EDHI338C **Teaching and Learning about Cultural Diversity through Intergroup Dialogue; Men/Women 1**

EDHI338C *(PermReq)* **Teaching and Learning about Cultural Diversity through Intergroup Dialogue: Men/Women 1; (1 credit)** Grade Method: REG/P-F/AUD.

0101	James Carlough, Mary Graham-Fisher, Mark Brimhall	Seats (Total: 20)
	Meets January 26, 2009 - March 14, 2009	
	Th 4:00pm - 6:00pm	JMZ 1224

EDHI338G **Teaching and Learning about Cultural Diversity through Intergroup Dialogue; Interfaith/Secular**

EDHI338G *(PermReq)* **Teaching and Learning about Cultural Diversity through Intergroup Dialogue: Interfaith/Secular; (1 credit)** Grade Method: REG/P-F/AUD.

0101	Linda Lachman, Erica Merson, Mark Brimhall **Meets January 26, 2009 - March 14, 2009** Tu 4:30pm - 6:30pm	Seats (Total: 20) JMZ 2123

EDHI338K **Teaching and Learning about Cultural Diversity through Intergroup Dialogue; Socioeconomic Class**

EDHI338K *(PermReq)* **Teaching and Learning about Cultural Diversity through Intergroup Dialogue: Socioeconomic Class; (1 credit)** Grade Method: REG/P-F/AUD.

0101	Mark Brimhall, Dai-An Tran, Joseph Miles **Meets January 26, 2009 - March 14, 2009** M 4:00pm - 6:00pm	Seats (Total: 20) JMZ 1120

EDHI338P **Teaching and Learning about Cultural Diversity through Intergroup Dialogue; Emergent Theme**

EDHI338P *(PermReq)* **Teaching and Learning about Cultural Diversity through Intergroup Dialogue: Emergent Theme; (1 credit)** Grade Method: REG/P-F/AUD.

0101	Mark Brimhall, Belinda Huang, Holly Ulmer **Meets March 15, 2009 - May 12, 2009** W 4:00pm - 6:00pm	Seats (Total: 20) HBK 0125

EDHI338Q **Teaching and Learning about Cultural Diversity through Intergroup Dialogue; Emergent Theme II**

EDHI338Q *(PermReq)* **Teaching and Learning about Cultural Diversity through Intergroup Dialogue: Emergent Theme II; (1 credit)** Grade Method: REG/P-F/AUD.

0101	Dawn Sherman, Erin McClure, Mark Brimhall M 4:00pm - 6:00pm	Seats (Total: 15) HBK 0125

EDHI489 **Field Experiences in Education**

EDHI489 *(PermReq)* **Field Experiences in Education; (1-4 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDHI498 **Special Problems in Education**

EDHI498 *(PermReq)* **Special Problems in Education; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDHI605 **Comparative Education**

EDHI605 Comparative Education; (3 credits) Grade Method: REG/AUD.
Credit will be granted for only one of the following: EDHI605, EDPL605, or EDPS605. Formerly EDPL605. Analyzes and compares leading issues in education in various countries of the world, particularly as they relate to crucial problems in American education.

0101	Nelly Stromquist	Seats (Total: 20)
	W 4:15pm - 7:00pm	EDU 1107

EDHI607 **Culture and Education in a Global Context**

EDHI607 Culture and Education in a Global Context; (3 credits) Grade Method: REG/AUD.
Not open to students who have completed EDPL788V in Fall 2000, Spring 2002, Spring 2003, or Spring 2004. Credit will be granted for only one of the following: EDHI607, EDPL607, or EDPS607. Formerly EDPL607. Examines cultural theories and analyzes cultural influences in education. Course materials and discussion critically analyze cultural transmission and schooling practices. Also examined are politics of culture, multiculturalism, global cultural clashes, and educators as critical culture workers.

0101	Jing Lin	Seats (Total: 20)
	Th 4:15pm - 7:00pm	EDU 1315

EDHI630 **Analyzing Systemwide Education Policy**

EDHI630 Analyzing Systemwide Education Policy; (3 credits) Grade Method: REG/AUD.
Credit will be granted for only one of the following: EDHI630, EDPL630, or EDPS630. Formerly EDPL630. Analysis of how assessments are made of systemwide education policy based on the approaches used in studies of national education policy by international agencies.

0101	Steven Klees	Seats (Total: 20)
	Tu 7:00pm - 9:45pm	EDU 1121

EDHI640 **Introduction to Educational Leadership**

EDHI640 Introduction to Educational Leadership; (3 credits) Grade Method: REG/AUD.
Credit will be granted for only one of the following: EDHI640, EDPL640, or EDPS640. Formerly EDPL640. The focus of this course is the analysis of the role of education administrators/leaders in the social, political, and legal contexts of schools. Also examines the role of leadership in school improvement.

IHP1	Carol Parham	Seats (Total: 15)
	Meets March 13, 2009 - May 9, 2009	
	F 6:00pm - 9:30pm	Location: TBA
	Sa 9:00am - 5:00pm	Location: TBA
	Class time/details on ELMs	ONLINE
	Special Educatin Leadership EdD Program (DoDDS-Germany) Outreach Offering. Department approval required, contact aberman2@umd.edu. Class will meet on the following dates: 3/13, 3/20, 3/27, 4/17-18, 4/24-25, 5/1-2, and 5/8-9.	

EDHI645 **Leading Instructional Improvement**

EDHI645 Leading Instructional Improvement; (3 credits) Grade Method: REG.
Credit will be granted for only one of the following: EDHI645, EDPL645, or EDPS645. Formerly EDPL645. Development of knowledge and skills in the use of data bases, research findings and models of supervision, to improve instruction in schools. Mandatory in person orientation session scheduled on Wednesday, January 28th at 7 p.m..

IHP1	Patricia Richardson Contact instructor or department for details. Class time/details on ELMs	Seats (Total: 15) ONLINE
	Special Education Leadership EdD Program (DoDDS-Germany) Outreach Offering. Department Approval required, contact aberman2@umd.edu.	
OM11	Helene Cohen Class time/details on ELMs	Seats (Total: 20) ONLINE
	Outreach Prof Development offering. Contact department for further details.	

EDHI653 **Organization and Administration of Higher Education**

EDHI653 Organization and Administration of Higher Education; (3 credits) Grade Method: REG/AUD.
Credit will be granted for only one of the following: EDHI653, EDPL653, or EDPS653. Formerly EDPL653. Basic concepts and terminology related to organizational behavior and institutional governance structures. The governance and organization of higher education in the United States.

0101	Noah Drezner Th 4:15pm - 7:00pm	Seats (Total: 20) EDU 1107

EDHI662 **Research on Ethnic Minorities and Demographic Trends in Higher Education**

EDHI662 Research on Ethnic Minorities and Demographic Trends in Higher Education; (3 credits) Grade Method: REG.
Credit will be granted for only one of the following: EDHI662, EDPL662, or EDPS662. Formerly EDPL662. Current research on ethnic minority student populations including issues of access, campus climate, racial identity, achievement and motivation. In addition to student issues, course examines issues for faculty of color in higher education, curriculum and teaching, and leadership and governance. The application of broad demographic changes in the nation and their impact on higher education over time.

0101	Sharon Fries-Britt Tu 4:15pm - 7:00pm	Seats (Total: 20) EDU 0202

EDHI673 **Economic Evaluation of Education**

EDHI673 *(PermReq)* **Economic Evaluation of Education; (3 credits)** Grade Method: REG/AUD.
Credit will be granted for only one of the following: EDHI673, EDPL673, or EDPS673. Formerly EDPL673. Examination and application of economic approaches - cost, cost-effectiveness, and cost-benefit analysis - to the evaluation of education programs and policies.

IHP1	Steven Klees	Seats (Total: 17)
	Contact instructor or department for details.	
	Outreach EDCI Doctoral Program Washington, DC Cohort, NEA. Departmental Approval Required.	

EDHI679 **Master's Seminar**

EDHI679 Master's Seminar; (3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDHI689 **Practicum In Educational Administration and Supervision**

EDHI689 Practicum In Educational Administration and Supervision; (1-3 credits) Grade Method: S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDHI700 **Qualitative Research Methods in Education**

EDHI700 Qualitative Research Methods in Education; (3 credits) Grade Method: REG/AUD.
Credit will be granted for only one of the following: EDHI700, EDPL700, or EDPS700. Formerly EDPL700. Qualitative methods in education research, emphasizing the paradigms of philosophy, history, sociology, anthropology, and comparative studies as they rely on narrative rather than quantitative ordering of data.

0101	Hanne Mawhinney	Seats (Total: 20)
	Tu 4:15pm - 7:00pm	EDU 2101

EDHI755 **Federal Policies in Post-Secondary Education**

EDHI755 Federal Policies in Post-Secondary Education; (3 credits) Grade Method: REG/AUD.
Credit will be granted for only one of the following: EDHI755, EDPL755, or EDPS755. Formerly EDPL755. Evolution of the federal role, its current scope and funding. Policy issues associated with federal student aid programs, research grants and social equity regulations.

0101	Marvin Titus	Seats (Total: 20)
	W 4:15pm - 7:00pm	EDU 2102

EDHI767 **Seminar on School District Leadership**
Contact department for information to register for this course.

EDHI788A **Special Topics in Education Policy and Administration; Women in Higher Education**

EDHI788A Special Topics in Education Policy and Administration: Women in Higher Education; (3 credits) Grade Method: REG/AUD.

0101	KerryAnn O'Meara	Seats (Total: 20)
	M 4:15pm - 7:00pm	EDU 0202

EDHI788D **Special Topics in Education Policy and Administration; Alternative Education/Alternative Development**

EDHI788D Special Topics in Education Policy and Administration: Alternative Education/Alternative Development; (3 credits) Grade Method: REG/AUD.

0101	Steven Klees	Seats (Total: 20)
	M 4:15pm - 7:00pm	EDU 0114

EDHI788E **Special Topics in Education Policy and Administration; Ecological and Environmental Education**

EDHI788E Special Topics in Education Policy and Administration: Ecological and Environmental Education; (1-3 credits) Grade Method: REG/AUD.

0101	Jing Lin	Seats (Total: 20)
	Tu 4:15pm - 7:00pm	EDU 3112B

EDHI788L **Special Topics in Education Policy and Administration; College Access and Choice**

EDHI788L Special Topics in Education Policy and Administration: College Access and Choice; (1-3 credits) Grade Method: REG/AUD.

0101	Alberto Cabrera	Seats (Total: 20)
	M 7:00pm - 9:45pm	EDU 1107

EDHI789 **Doctoral Practicum in Administration and Supervision**

EDHI789 Doctoral Practicum in Administration and Supervision; (1-3 credits) Grade Method: S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDHI798 **Special Problems in Education**

EDHI798 *(PermReq)* **Special Problems in Education; (1-6 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDHI798B **Special Problems in Education; Program and Professional Orientation**
Contact department for information to register for this course.

EDHI799 **Master's Thesis Research**

EDHI799 Master's Thesis Research; (1-6 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDHI889 **Internship in Education**

EDHI889 *(PermReq)* **Internship in Education; (3-8 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDHI895 **Research Critique Seminar**

EDHI895 Research Critique Seminar; (3 credits) Grade Method: REG/AUD. *Credit will be granted for only one of the following: EDHI895, EDPL895, or EDPS895. Formerly EDPL895.* Critiques of research designs in preparation for the doctoral dissertation.

0101	Marvin Titus Th 4:15pm - 7:00pm	Seats (Total: 10) EDU 3112B

EDHI898 **Pre-Candidacy Research**

EDHI898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDHI899 **Doctoral Dissertation Research**

EDHI899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDMS Measurement, Statistics, and Evaluation — Spring 2009

EDMS410 **Classroom Assessment**

EDMS410 Classroom Assessment; (3 credits) Grade Method: REG/AUD. *Junior standing.* Developing and using classroom assessments, including tests, performance assessments, rating scales, portfolios, observations and oral interactions; basic psychometric statistics; standard setting; grading; communicating assessment information; testing ethics; locating and evaluating measures; program evaluation and classroom research; assessments used for educational policy decisions.

0101	Kathryn Alvestad Tu 1:00pm - 3:45pm	Seats (Total: 20) EDU 0202
0102	Kathryn Alvestad M 1:00pm - 3:45pm	Seats (Total: 30) EDU 3315

EDMS451 **Introduction to Educational Statistics**

EDMS451 Introduction to Educational Statistics; (3 credits) Grade Method: REG/AUD.

Sophomore standing. Credit will be granted for only one of the following: BIOM301, BMGT230, ECON321, EDMS451, GEOG305, GVPT422, PSYC200, or SOCY201.

Introduction to statistical reasoning; location and dispersion measures; computer applications; regression and correlation; formation of hypotheses tests; t-test; one-way analysis of variance; analysis of contingency tables.

0101	Youngmi Cho MW 12:30pm - 1:45pm	Seats (Total: 40) EDU 1107
0201	Feifei Li TuTh 12:30pm - 1:45pm	Seats (Total: 40) EDU 0212
0301	Brandi Weiss TuTh 2:00pm - 3:15pm	Seats (Total: 40) EDU 3315
0401	William Dardick MW 10:00am - 11:15am	Seats (Total: 40) COL 0100

EDMS610 **Classroom Assessment and Evaluation**

EDMS610 *(PermReq)* **Classroom Assesment and Evaluation; (3 credits)** Grade Method: REG/AUD.

Develop the understandings and skills needed to validly, reliably, and accurately assess student learning and to provide focused leadership in the area of classroom assessment.

IHP1	Kathryn Alvestad W 4:15pm - 7:00pm Class time/details on ELMs	Seats (Total: 20) Location: TBA ONLINE
	Outreach offering, Department permission required. Optional in-person meetings, Hoyer Center: 2/18, 2/25, 3/25, 4/1, 4/22, 4/29. Online sessions begin 1/28.	

EDMS623 **Applied Measurement: Issues and Practices**

EDMS623 Applied Measurement: Issues and Practices; (3 credits) Grade Method: REG/AUD.
Prerequisite: EDMS410 and EDMS645 or equivalent. Measurement theory and its application at an intermediate level; test development, validation and interpretation; issues and recent developments in measurement.

0101	Robert Lissitz Tu 4:15pm - 7:00pm	Seats (Total: 25) EDU 0212

EDMS645 **Quantitative Research Methods I**

EDMS645 Quantitative Research Methods I; (3 credits) Grade Method: REG/AUD. Research design and statistical applications in educational research: data representation; descriptive statistics; estimation and hypothesis testing. Application of statistical computer packages is emphasized.

0101	George Macready Th 4:15pm - 7:00pm	Seats (Total: 30) EDU 0212
0102	Hong Jiao W 4:15pm - 7:00pm	Seats (Total: 30) EDU 0212

EDMS646 **Quantitative Research Methods II**

EDMS646 Quantitative Research Methods II; (3 credits) Grade Method: REG/AUD.
Prerequisite: EDMS 645. A second-level inferential statistics course with emphasis on analysis of variance procedures and designs. Assignments include student analysis of survey data. Application of statistical computer packages is emphasized.

0101	Hong Jiao Th 4:15pm - 7:00pm	Seats (Total: 45) CHM 1228
OM11	George Macready W 4:15pm - 7:00pm Class time/details on ELMs	Seats (Total: 30) Location: TBA ONLINE
	Prerequisite: permission of department. Web/online and classroom based, Hoyer Center. Priority given to participants in Outreach Programs.	

EDMS647 **Introduction to Program Evaluation**

EDMS647 *(PermReq)* **Introduction to Program Evaluation; (3 credits)** Grade Method: REG/AUD.
Prerequisite: EDMS 645. Overview of the program evaluation process; problems encountered in the practice of program evaluation.

IHP1	Kathryn Alvestad W 5:00pm - 7:30pm Class time/details on ELMs	Seats (Total: 16) Location: TBA ONLINE
	Outreach offering for EDMS Certificate Program, Anne Arundel/Calvert cohort. Department permission required. In person meeting sessions: 1/28, 2/4, 2/11, 3/4, 3/11, 4/8, 4/15, 5/6. Online session begins 2/18.	

EDMS651 **Applied Multiple Regression Analysis**

EDMS651 Applied Multiple Regression Analysis; (3 credits) Grade Method: REG/AUD.
Prerequisite: EDMS 646 or equivalent. Multiple regression and correlation analysis; trend analysis; hierarchical and stepwise procedures; logistic regression; computer programs for regression analysis.

0101	Jeffrey Harring M 4:15pm - 7:00pm	Seats (Total: 30) EDU 0212

EDMS722 **Structural Modeling**

EDMS722 Structural Modeling; (3 credits) Grade Method: REG/AUD.
Prerequisite: EDMS 657. Statistical theory and methods of estimation used in structural modeling; computer program applications; multisample models; mean structture models; structural models with multilevel data (e.g., sampling weights, growth models, multilevel latent variable models).

0101	Gregory Hancock Tu 4:15pm - 7:00pm	Seats (Total: 35) PLS 1111

EDMS724 **Modern Measurement Theory**

EDMS724 Modern Measurement Theory; (3 credits) Grade Method: REG/AUD.
Prerequisites: EDMS 623; and EDMS 651. Theoretical formulations of measurement from a latent trait theory perspective.

0101	Andre Rupp W 4:15pm - 7:00pm	Seats (Total: 30) EDU 0306

EDMS769L **Special Topics in Applied Statistics in Education; Longitudinal Data Analysis**

EDMS769L Special Topics in Applied Statistics in Education: Longitudinal Data Analysis; (3 credits) Grade Method: REG/AUD.

0101	Jeffrey Harring Th 4:15pm - 7:00pm	Seats (Total: 20) PAC 1809

EDMS771 **Multivariate Data Analysis**

EDMS771 Multivariate Data Analysis; (3 credits) Grade Method: REG/AUD. *Prerequisite: EDMS 651.* Principal components, canonical correlation, discriminant functions, multivariate analysis of variance/covariance and other multivariate techniques.

0101	Andre Rupp Th 4:15pm - 7:00pm	Seats (Total: 30) EDU 0114

EDMS798 **Special Problems in Education**

EDMS798 Special Problems in Education; (1-6 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDMS799 **Master's Thesis Research**

EDMS799 Master's Thesis Research; (1-6 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDMS889 **Internship in Measurement and Statistics**

EDMS889 Internship in Measurement and Statistics; (3-8 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDMS898 **Pre-Candidacy Research**

EDMS898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDMS899 **Doctoral Dissertation Research**

EDMS899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDPS Education Policy Studies Spring 2009

EDPS210 **Historical and Philosophical Perspectives on Education**

EDPS210 Historical and Philosophical Perspectives on Education; (3 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course.
Credit will be granted for only one of the following: EDPL210 or EDPS210. Formerly EDPL210. An examination of illustrative historical and philosophical examples of the interplay of ideas and events in the shaping of educational aims and practices from ancient cultures to modern technological societies.

0101	Pam Splaine Tu 4:15pm - 7:00pm	Seats (Total: 30) ASY 3207
0201	Julie Zdanoski TuTh 9:30am - 10:45am	Seats (Total: 30) EDU 0306

EDPS301 **Foundations of Education**

EDPS301 Foundations of Education; (3 credits) Grade Method: REG/P-F/AUD.
Credit will be granted for only one of the following: EDPL301 or EDPS301. Formerly EDPL301. Social context of education and conflicts over philosophies, values, and goals that are reflected in educational institutions in our pluralistic society. Helps teachers become reflective, critical thinkers about the social and philosophical issues they face and the choices they make.

0101	Dennis Herschbach MW 9:30am - 10:45am	Seats (Total: 30) EDU 1107
0201	Dennis Herschbach MW 11:00am - 12:15pm	Seats (Total: 30) EDU 1107
0301	John Splaine Tu 1:00pm - 3:45pm	Seats (Total: 30) ARM 0119
0401	Kasra Sotudeh TuTh 2:00pm - 3:15pm	Seats (Total: 30) EDU 1107
0501	Pam Splaine Tu 10:00am - 12:45pm	Seats (Total: 30) EDU 0114

EDPS488B **Special Topics in Education Policy and Administration; Complicating the Conversation of Basketball as a Life Course**

EDPS488B *(PermReq)* **Special Topics in Education Policy and Administration: Complicating the Conversation of Basketball as a Life Course; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: prior experience as a varsity basketball student-athlete in high school and/or college.

0101	Kasra Sotudeh TuTh 11:00am - 12:15pm	Seats (Total: 15) BPS 1234

EDPS489 **Field Experiences in Education**

EDPS489 *(PermReq)* **Field Experiences in Education; (1-4 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDPS498 **Special Problems in Education**

EDPS498 *(PermReq)* **Special Problems in Education; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDPS614 **Politics of Education**

EDPS614 Politics of Education; (3 credits) Grade Method: REG/AUD.
Credit will be granted for only one of the following: EDHI614, EDPL614, or EDPS614. Formerly EDPL614. Educational institutions as political entities. Focuses on conceptual perspectives for examining political dynamics in governmental and organizational contexts. Provides opportunities to carry out original case studies of policy making processes at various levels of the education policy system.

0101	Betty Malen	Seats (Total: 20)
	M 4:15pm - 7:00pm	EDU 1107

EDPS679 **Master's Seminar**

EDPS679 Master's Seminar; (3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDPS703 **Quantitative Applicaltions for Education Policy Analysis**

EDPS703 Quantitative Applicaltions for Education Policy Analysis; (3 credits) Grade Method: REG/AUD.
Prerequisite: EDMS645 or equivalent. Recommended: EDMS646 and/or EDMS651; or equivalent. Credit will be granted for only one of the following: EDHI703, EDPL703, EDPL788U, or EDPS703. Formerly EDPL703. Students use quantitative applications and secondary datasets to investigate social problems and education policies. Emphasis on the use of quasi-experimental designs and regression techniques to frame education issues, analyze, and recommend policies.

0101	Robert Croninger	Seats (Total: 20)
	W 7:00pm - 9:45pm	EDU 0202

EDPS711 **Oral History and Education**

EDPS711 Oral History and Education; (3 credits) Grade Method: REG/AUD.
Prerequisite: permission of instructor. Credit will be granted for only one of the following: EDHI711, EDPL711, or EDPS711. Formerly EDPL711. Introduction to the art, science, and craft of oral history as reflected in education purposes, policies and practices.

0101	Barbara Finkelstein Th 7:00pm - 9:45pm	Seats (Total: 10) EDU 2102

EDPS731 **Transcultural Education Policy and Practice**

EDPS731 Transcultural Education Policy and Practice; (3 credits) Grade Method: REG/AUD.
Recommended: EDHI/EDPL/EDPS624 or a cultural studies equivalent. Credit will be granted for only one of the following: EDHI731, EDPL731, or EDPS731. Formerly EDPL731.

0101	Barbara Finkelstein Tu 4:15pm - 7:00pm	Seats (Total: 20) EDU 1121

EDPS735 **Phenomenological Inquiry I**

EDPS735 Phenomenological Inquirey I; (3 credits) Grade Method: REG/AUD.
Credit will be granted for only one of the following: EDHI735, EDPL 735, or EDPS735. Formerly EDPL735. Philosophic grounding for phenomenological inquiry at a beginning level. Guided writing practice in doing phenomenological inquiry is provided on a selected lived experience phenomenon.

0101	Francine Hultgren Th 4:15pm - 7:00pm	Seats (Total: 20) EDU 2101

EDPS788A **Special Topics in Education Policy and Administration; Research Apprenticeship**

EDPS788A Special Topics in Education Policy and Administration: Research Apprenticeship; (3 credits) Grade Method: REG.

OM11	Jennifer Rice, Betty Malen W 4:00pm - 7:00pm	Seats (Total: 10) Location: TBA
	Outreach Offering Open to Masters and Doctoral students. Location: PGCP Sasscer Bldg, Upper Marlboro, MD. Registration Instructions: Contact Dr. Betty Malen prior to registration at malen@umd.edu.	

EDPS788E **Special Topics in Education Policy and Administration; Cost Analysis**

EDPS788E Special Topics in Education Policy and Administration: Cost Analysis; (3 credits) Grade Method: REG/AUD.

0101	Jennifer Rice	Seats (Total: 20)
	W 1:00pm - 3:45pm	COL 3114

EDPS789 **Doctoral Practicum in Administration and Supervision**

EDPS789 Doctoral Practicum in Administration and Supervision; (1-3 credits) Grade Method: S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDPS798 **Special Problems in Education**

EDPS798 *(PermReq)* **Special Problems in Education; (1-6 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDPS799 **Master's Thesis Research**

EDPS799 Master's Thesis Research; (1-6 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDPS837 **Race, Class, and Social Justice: A Policy Seminar in Curriculum Theory and Development**

EDPS837 Race, Class, and Social Justice: A Policy Seminar in Curriculum Theory and Development; (3 credits) Grade Method: REG/AUD. *Prerequisite: EDHI/EDPL/EDPS635 or permission of department. Credit will be granted for only one of the following: EDHI837, EDPL837, or EDPS837. Formerly EDPL837.* An advanced seminar focusing upon critical analyses of the themes, concepts, and language relevant to Curriculum Theory, Policy, and Research. Focus on education policy issues relating to race, class, and social justice with special reference to patterns of economic and cultural distribution, their impact upon persons at society's margins and on specific curricular responses to injustice.

0101	Steven Selden Th 4:15pm - 7:00pm	Seats (Total: 20) EDU 2102

EDPS889 **Internship in Education**

EDPS889 *(PermReq)* **Internship in Education; (3-8 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDPS898 **Pre-Candidacy Research**

EDPS898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDPS899 **Doctoral Dissertation Research**

EDPS899 *(PermReq)* **Doctoral Dissertation Research; (1-8 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDSP Education, Special Spring 2009

EDSP210 **Introduction to Special Education**

EDSP210 Introduction to Special Education; (3 credits) Grade Method: REG/P-F/AUD.
Class Standing: Freshman or Sophomore or permission of department. Not open to students who have completed EDSP470. Credit will be granted for only one of the following: EDSP210 or EDSP470. Characteristics and needs of individuals receiving special education and related services. Current issues and practices in special education.

0101	Asha-Lateef Williams TuTh 11:00am - 12:15pm	Seats (Total: 35) EDU 1107
0201	Deirdre Barnwell, Carolyn Fink TuTh 12:30pm - 1:45pm	Seats (Total: 35) EDU 1107

EDSP376 **Fundamentals of Sign Language**

EDSP376 Fundamentals of Sign Language; (3 credits) Grade Method: REG/P-F/AUD.
Receptive and expressive skills in American Sign Language. Examination of the causes of deafness, characteristics of deaf education, and aspects of the culture of the deaf community.

0101	Kristin da Costa MW 4:30pm - 5:45pm	Seats (Total: 30) TYD 0111	

EDSP403 **Instruction of Students with Physical Disabilities**

EDSP403 Instructions of Students with Physical Disabilities; (3 credits) Grade Method: REG/AUD.
For EDSP or 0808P majors only. Also offered as EDSP603. Credit will be granted for only one of the following: EDSP403 or EDSP603. Assessment, curriculum, and instruction for students with physical disabilities. Focus on etiology, environmental and learning adaptations, and assistive technology.

0101	Frances Kohl Tu 1:15pm - 4:00pm	Seats (Total: 35) EDU 1121	

EDSP407 **Field Placement II: Special Education**

EDSP407 Field Placement II: Special Education; (3 credits) Grade Method: REG/AUD.
For EDSP or 0808P majors only. Credit will be granted for only one of the following: EDSP333 or EDSP407. Formerly EDSP333. Practicum experience in special education. Field placement for two-three half days.

0101	M Brown F 10:00am - 12:00pm MW 8:00am - 1:00pm	Seats (Total: 25) EDU 1121 Location: TBA	Lab
0201	M Brown F 10:00am - 12:00pm TuTh 8:00am - 1:00pm	Seats (Total: 25) EDU 1121 Location: TBA	Lab

EDSP410 **Functional Reading and Community Based Instruction**

EDSP410 Functional Reading and Community Based Instruction; (3 credits)
Grade Method: REG/P-F/AUD.
For EDSP or 0808P majors only. Also offered as EDSP614. Credit will be granted for only one of the following: EDSP410 or EDSP614. Functional assessment, curriculum, and instruction related to reading and community functioning skills for students with severe disabilities.

0101	Martha Moon M 4:15pm - 7:00pm	Seats (Total: 35) EDU 0220

EDSP415 **Assessment in Special Education**

EDSP415 Assessment in Special Education; (3 credits) Grade Method: REG/AUD.
Recommended: STAT100 or SOCY201. For EDSP or 0808P majors only. Also offered as EDSP615. Credit will be granted for only one of the following: EDSP320, EDSP415 or EDSP615. Formerly EDSP320. Knowledge and skills for understanding assessment process and interpretation of assessment data. Emphasis on psychometric aspects of assessment related to screening, eligibility, and program planning.

0101	Deborah Speece M 1:15pm - 4:00pm	Seats (Total: 35) EDU 1121
0201	Agnesanne Danehey Tu 4:15pm - 7:00pm	Seats (Total: 35) EDU 0220

EDSP416 **Reading and Writing Instruction in Special Education I**

EDSP416 Reading and Writing Instruction in Special Education I; (3 credits)
Grade Method: REG/AUD.
For EDSP or 0808P majors only. Also offered as EDSP616. Credit will be granted for only one of the following: EDSP416, EDSP443 or EDSP616. Formerly EDSP443. Assessment and instruction of reading and writing skills for students in special education.

0101	Rebecca Silverman Th 1:15pm - 4:00pm	Seats (Total: 35) EDU 1121

0201	Rebecca Silverman Th 4:15pm - 7:00pm	Seats (Total: 35) EDU 1121	

EDSP423 **Assessment in Early Childhood Special Education**

EDSP423 Assessment in Early Childhood Special Education; (3 credits) Grade Method: REG/AUD.
For EDSP or 0808P majors only. Also offered as EDSP624. Credit will be granted for only one of the following: EDSP423 or EDSP624. Assessment procedures for infants and young children with disabilities, birth through age eight.

0101	Joan Lieber M 4:15pm - 7:00pm	Seats (Total: 28) EDU 1315	

EDSP424 **Field Placement in Special Education: Early Childhood II**

EDSP424 Field Placement in Special Education: Early Childhood II; (2-4 credits) Grade Method: REG/AUD.
For EDSP or 0808P majors only. Students must reserve three half-days per week for field experience in early childhood special education. Field experience II in early childhood special education. Students must reserve three half days (8-1) for this experience. Special education majors only.

0101	David Cooper F 10:30am - 12:00pm TuWTh 8:00am - 1:00pm	Seats (Total: 25) EDU 2102 Location: TBA	 Lab

EDSP430 **Early Intervention: Early Childhood Special Education**

EDSP430 Early Intervention: Early Childhood Special Education; (3 credits) Grade Method: REG/AUD.
For EDSP or 0808P majors only. Also offered as EDSP631. Credit will be granted for only one of the following: EDSP430 or EDSP631. Intervention with infants and young children with disabilities. Focus on moderate and severe disabilities.

0101	Paula Beckman Tu 4:15pm - 7:00pm	Seats (Total: 15) EDU 0114	

EDSP435 **Field Placement in Special Education: Secondary Middle II**

EDSP435 Field Placement in Special Education: Secondary Middle II; (2-4 credits) Grade Method: REG/AUD.
For EDSP or 0808P majors only. Students must reserve three half-days per week for field experience in secondary middle special education. Field experience II in elementary special education.

0101	Debra Neubert F 10:30am - 12:00pm TuWTh 8:00am - 1:00pm	Seats (Total: 25) EDU 2101 Location: TBA	 Lab

EDSP450 **Inclusive Practices in the Schools**

EDSP450 Inclusive Practices in the Schools; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as EDSP606. Credit will be granted for only one of the following: EDSP450, EDSP606, or EDSP788P. Educational practices regarding inclusive education in the schools for students with and without disabilities. Also offered as EDSP 788P. Credit will be granted for only one of the following: EDSP 450 or EDSP 788P.

0101	Barbara Gruber Tu 4:15pm - 7:00pm	Seats (Total: 28) EDU 3233

EDSP454 **Field Placement in Special Education: Elementary II**

EDSP454 Field Placement in Special Education: Elementary II; (2-4 credits) Grade Method: REG/AUD.
For EDSP or 0808P majors only. Students must reserve three half-days per week for field experience in elementary special education. Field experience II in elementary special education.

0101	Paula Maccini F 10:30am - 12:00pm TuWTh 8:00am - 1:00pm	Seats (Total: 25) EDU 1315 Location: TBA	 Lab

EDSP470 **Introduction to Special Education**

EDSP470 Introduction to Special Education; (3 credits) Grade Method: REG/P-F/AUD.
Not open to students who have completed EDSP210. Credit will be granted for only one of the following: EDSP210 or EDSP470. Designed to give an understanding of the needs of all types of exceptional children.

0101	Andrew Egel W 4:15pm - 7:00pm	Seats (Total: 40) EDU 0220
	Section 0101 is restricted to Education majors only with the following major codes: 0802L, 0802P,0823L, 0823P, 0831L, 0831P, 0832L, 0832P, 0833L, 0833P, 0834L, 0834P, 0840L, 0840P, 0841L, 0841P, 0842L, 0842P, 0843L, 0843P, 0844L, and 0844P, EDSP.	
0201	William Drakeford TuTh 11:00am - 12:15pm	Seats (Total: 40) EDU 1121
0301	William Drakeford Th 4:15pm - 7:00pm	Seats (Total: 40) BPS 1238
0401	Agnesanne Danehey M 4:15pm - 7:00pm	Seats (Total: 40) EDU 1121

EDSP474 **Assessment in Middle/Secondary Special Education**

EDSP474 Assessment in Middle/Secondary Special Education; (3 credits) Grade Method: REG/P-F/AUD.
For EDSP or 0808P majors only. Also offered as EDSP674. Credit will be granted for only one of the following: EDSP474 or EDSP674. Cognitive, vocational, and social assessment for students with disabilities. Emphasis on interpretation of assessment results and case management practices.

0101	Debra Neubert W 1:15pm - 4:00pm	Seats (Total: 20) EDU 2102

EDSP476 **Communicating with Sign Language**

EDSP476 Communicating with Sign Language; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: EDSP376 or permission of department. Intermediate level receptive/expressive skills in American Sign Language. Aspects of the culture, history, and research perspectives of the deaf community.

0101	Kristin da Costa MW 5:45pm - 7:00pm	Seats (Total: 30) TYD 0111

EDSP482 **Literacy Approaches for At-Risk Adolescents**

EDSP482 Literacy Approaches for At-Risk Adolescents; (3 credits) Grade Method: REG/P-F/AUD.
Pre- or corequisite: EDHD426 or permission of department. Also offered as EDSP682. Credit will be granted for only one of the following: EDSP482, EDSP488R, EDSP682, or EDSP788R. Formerly EDSP488R. Provides approaches to teaching reading in the content areas for secondary students with disabilities. Outreach offering for Oak Hill, Laurel, MD. Department permission requi red. Contact aberman2@umd.edu.

IHP1	Mark Zablocki **Meets January 29, 2009 - May 7, 2009** Contact instructor or department for details.	Seats (Total: 15)

EDSP485 **Assessment and Instruction in Mathematics in Special Education**

EDSP485 Assessment and Instruction in Mathematics in Special Education; (3 credits) Grade Method: REG/AUD.
For EDSP or 0808P majors only. Also offered as EDSP683. Credit will be granted for only one of the following: EDSP485 or EDSP683. Instructional methods and assessment in mathematics in special education .

0101	Paula Maccini Tu 4:15pm - 7:00pm *Section 0101 is designed for Secondary/Middle Special Education majors and minors. Permission is required for minors.*	Seats (Total: 26) EDU 0306
0201	Paula Maccini Th 4:15pm - 7:00pm *Section 0201 is designed for Elementary Special Education majors and minors. Permission if required for minors.*	Seats (Total: 30) EDU 0306

EDSP489 **Field Experiences in Special Education**

EDSP489 Field Experiences in Special Education; (1-4 credits) Grade Method: REG/P-F/AUD.

0101	M Brown Contact instructor or department for details.	Seats (Total: 20)
0901	Peter Leone Contact instructor or department for details.	Seats (Total: 20)

EDSP498 **Special Problems in Special Education**

EDSP498 *(PermReq)* **Special Problems in Special Education; (1-6 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Special education majors only.

Contact department for information to register for this course.

EDSP498B **Special Problems in Special Education; Career Development and Advisement**

EDSP498B *(PermReq)* **Special Problems in Special Education: Career Development and Advisement; (1-6 credits)** Grade Method: REG/P-F/AUD.
Special education and intended special education majors only.

0101	Dawn Molloy F 12:00pm - 2:00pm Contact instructor or department for details.	Seats (Total: 25) EDU 1315

EDSP499W **Workshops, Clinics, and Institutes in Special Education; School Violence and Disruption**

EDSP499W Workshops, Clinics, and Institutes in Special Education: School Violence and Disruption; (3 credits) Grade Method: REG.
Also offered as EDSP607. Credit will be granted for only one of the following: EDSP499W or EDSP607.

0101	Peter Leone Th 4:15pm - 7:00pm	Seats (Total: 28) EDU 0220

EDSP603 **Instruction of Students with Physical Disabilities**

EDSP603 Instruction of Students with Physical Disabilities; (3 credits) Grade Method: REG/AUD.
For EDSP majors only. Also offered as EDSP403. Credit will be granted for only one of the following: EDSP403 or EDSP603. Assessment, curriculum, and instruction for students with physical disabilities. Focus on etiology, environmental and learning adaptations, and assistive technology.

0101	Frances Kohl	Seats (Total: 35)
	Tu 1:15pm - 4:00pm	EDU 1121

EDSP606 **Advanced Study in Inclusive Practices in The Schools**

EDSP606 Advanced Study in Inclusive Practices in The Schools; (3 credits) Grade Method: REG/AUD.
Also offered as EDSP450. Credit will be granted for only one of the following: EDSP450, EDSP606, or EDSP788P. Formerly EDSP788P. Educational practices regarding inclusive education in the schools for students with and without disabilities.

0101	Barbara Gruber	Seats (Total: 28)
	Tu 4:15pm - 7:00pm	EDU 3233

EDSP607 **School Violence and Disruption**

EDSP607 School Violence and Disruption; (3 credits) Grade Method: REG.
3 semester hours. An examination of school violence and disruption from multiple perspectives. Societal, community, and individual factors are examined. Prevention strategies, interagency collaboration, and intervention techniques are addressed. Also offered as EDSP499W. Credit will be granted for only one of the following: EDSP499W or EDSP607.

0101	Peter Leone	Seats (Total: 28)
	Th 4:15pm - 7:00pm	EDU 0220

EDSP612 **Transition Methods and Disability Systems**

EDSP612 *(PermReq)* **Transition Methods and Disability Systems; (3 credits)** Grade Method: REG/AUD.
Prerequisite: permission of instructor. Philosophical and historical foundatins of transition service delivery and current methods that comprise transition services for students with disabilities.

0101	Debra Neubert Th 4:15pm - 7:00pm	Seats (Total: 20) EDU 0202

EDSP614 **Advanced Topics in Functional Reading and Community Based Instruction**

EDSP614 Advanced Topics in Functional Reading and Community Based Instruction; (3 credits) Grade Method: REG.
For EDSP majors only. Also offered as EDSP410. Credit will be granted for only one of the following: EDSP410 or EDSP614. Functional assessment, curriculum, and instruction related to reading and community functioning skills for students with severe disabilities.

0101	Martha Moon M 4:15pm - 7:00pm	Seats (Total: 35) EDU 0220

EDSP615 **Evaluation and Measurement of Exceptional Children and Youth**

EDSP615 Evaluation and Measurement of Exceptional Children and Youth; (3 credits) Grade Method: REG/AUD.
Prerequisites: {EDMS 446; and EDMS 646; and EDSP 600} or permission of department. Also offered as EDSP 415. Credit will be granted for only one of the following: EDSP 415 or EDSP 615. Deals with the understanding and interpretation of the results of psychological and educational tests applicable for use with exceptional children and youth.

0101	Deborah Speece M 1:15pm - 4:00pm	Seats (Total: 35) EDU 1121
0201	Agnesanne Danehey Tu 4:15pm - 7:00pm	Seats (Total: 35) EDU 0220

EDSP616 **Reading and Writing Instruction in Special Education I**

EDSP616 Reading and Writing Instruction in Special Education I; (3 credits)
Grade Method: REG/AUD.
For EDSP majors only. Also offered as EDSP 416. Credit will be granted for only one of the following: EDSP 416 or EDSP 616. Assessment and instruction of reading and writing skills and strategies for students in special education.

0101	Rebecca Silverman Th 1:15pm - 4:00pm	Seats (Total: 35) EDU 1121
0201	Rebecca Silverman Th 4:15pm - 7:00pm	Seats (Total: 35) EDU 1121

EDSP624 **Assessment in Early Childhood Special Education**

EDSP624 Assessment in Early Childhood Special Education; (3 credits) Grade Method: REG/AUD.
For EDSP majors only. Also offered as EDSP423. Credit will be granted for only one of the following: EDSP423 or EDSP624. Assessment procedures for infants and young children with disabilities, birth through age eight.

0101	Joan Lieber M 4:15pm - 7:00pm	Seats (Total: 28) EDU 1315

EDSP631 **Early Intervention: Early Childhood Special Education**

EDSP631 Early Intervention: Early Childhood Special Education; (3 credits)
Grade Method: REG/AUD.
For EDSP majors only. Also offered as EDSP430. Credit will be granted for only one of the following: EDSP430 or EDSP631. Intervention with infants and young children with disabilities. Focus on moderate and severe disabilities.

0101	Paula Beckman Tu 4:15pm - 7:00pm	Seats (Total: 15) EDU 0114

EDSP665 **Families, Culture, and Disability**

EDSP665 Families, Culture, and Disability; (3 credits) Grade Method: REG/AUD.
Prerequisite: EDSP600 or permission of department. Current research on service delivery and cultural factors that influence families of children and youth with disabilities.

0101	Paula Beckman Th 4:15pm - 7:00pm	Seats (Total: 15) EDU 1304A

EDSP670 **Single Subject Research in Special Education**

EDSP670 Single Subject Research in Special Education; (3 credits) Grade Method: REG/AUD.
Prerequisite: EDSP 600 or permission of department. Design, application, and analysis of single subject research in special education classrooms across all disabilities.

0101	Andrew Egel Tu 7:00pm - 9:45pm	Seats (Total: 25) EDU 2101

EDSP674 **Assessment in Middle/Secondary Special Education**

EDSP674 Assessment in Middle/Secondary Special Education; (3 credits) Grade Method: REG/AUD.
For EDSP majors only. Also offered as EDSP474. Credit will be granted for only one of the following: EDSP474 or EDSP674. Cognitive, vocational, and social assessment for students with disabilities. Emphasis on interpretation of assessment results and case management practices.

0101	Debra Neubert W 1:15pm - 4:00pm	Seats (Total: 20) EDU 2102

EDSP678L **Seminar in Special Education; Seminar on Literacy Instruction**

EDSP678L Seminar in Special Education: Seminar on Literacy Instruction; (3 credits) Grade Method: REG/AUD.

IHP1	Leslie Page-Voth	Seats (Total: 15)
	Meets May 15, 2009 - June 6, 2009	
	F 6:00pm - 9:30pm	Location: TBA
	Sa 9:00am - 5:00pm	Location: TBA
	Class time/details on ELMs	ONLINE
	Special Education Leadership EdD Program (DoDDS-Germany) Outreach offering. Dept approval required, contact aberman2@umd.edu. Class meets 5/15-16, 5/22-23, 5/29-30, 6/5-6.	

EDSP682 **Advanced Literacy Approaches for At-Risk Adolescents**

EDSP682 *(PermReq)* **Advanced Literacy Approaches for At-Risk Adolescents; (3 credits)** Grade Method: REG/AUD.
Also offered as EDSP482. Credit will be granted for only one of the following: EDSP482, EDSP488R, EDSP682, or EDSP788R. Formerly EDSP788R. Approaches to teaching reading in the content areas for secondary students with disabilities.

IHP1	Mark Zablocki	Seats (Total: 15)
	Meets January 29, 2009 - May 7, 2009	
	Contact instructor or department for details.	

EDSP683 **Assessment and Instruction in Mathematics in Special Education**

EDSP683 Assessment and Instruction in Mathematics in Special Education; (3 credits) Grade Method: REG/AUD.
For EDSP majors only. Also offered as EDSP485. Credit will be granted for only one of the following: EDSP485 or EDSP683. Instructional methods and assessment in mathematics in special education.

0101	Paula Maccini	Seats (Total: 26)
	Tu 4:15pm - 7:00pm	EDU 0306
	Designed for Secondary/Middle Special Education teacher candidates.	
0201	Paula Maccini	Seats (Total: 30)
	Th 4:15pm - 7:00pm	EDU 0306
	Designed for Elementary Special Education teacher candidates.	

EDSP690 **Teacher Candidate Research Seminar in Special Education**

EDSP690 Teacher Candidate Research Seminar in Special Education; (3 credits) Grade Method: REG/AUD.
Prerequisite: EDSP 470. Corequisite: EDSP 889A. For EDSP majors only. Required seminar for master's certification teacher candidates in special education focusing on research methods and applications with students having disabilities.

0101	Martha Moon	Seats (Total: 15)
	Contact instructor or department for details.	
	Section 0101 is for Master's Certification Program students.	
0201	Frances Kohl	Seats (Total: 30)
	Contact instructor or department for details.	
	Section 0201 is for 5-Year Program students.	

EDSP694 **Graduate Internship in Special Education II: Early Childhood**

EDSP694 Graduate Internship in Special Education II: Early Childhood; (6-11 credits) Grade Method: REG/AUD.
Corequisite: EDSP690. For EDSP or 0808P majors only. Credit will be granted for only one of the following: EDSP494, EDSP694, or EDSP889A. Student teaching, full-time for twelve weeks, with infants or preschool children with disabilities. There is a $400 lab fee assigned to this course.

0101	Joan Lieber	Seats (Total: 25)
	Contact instructor or department for details.	

EDSP695 **Graduate Internship in Special Education II: Elementary**

EDSP695 Graduate Internship in Special Education II: Elementary; (6-11 credits) Grade Method: REG/AUD.
Corequisite: EDSP690. For EDSP or 0808P majors only. Credit will be granted for only one of the following: EDSP495, EDSP694, or EDSP888A. Student teaching, full-time for twelve weeks, with students with disabilities in elementary settings. There is a $400 lab fee assigned to this course.

0101	Deborah Speece	Seats (Total: 25)
	Contact instructor or department for details.	

EDSP696 **Graduate Internship in Special Education II: Secondary Middle**

EDSP696 Graduate Internship in Special Education II: Secondary Middle; (6-11 credits) Grade Method: REG/AUD.
Corequisite: EDSP690. For EDSP or 0808P majors only. Credit will be granted for only one of the following: EDSP496, EDSP696, or EDSP889A. Student teaching, full-time for twelve weeks, with students with disabilities in secondary or middle school settings. There is a $400 lab fee assigned to this course.

0101	William Drakeford	Seats (Total: 25)
	Contact instructor or department for details.	

EDSP798 **Special Problems in Special Education**

EDSP798 *(PermReq)* **Special Problems in Special Education; (1-6 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Special education majors only.

Contact department for information to register for this course.

EDSP798E **Special Problems in Special Education; Evidence-Based Practices for Special Education**

EDSP798E Special Problems in Special Education: Evidence-Based Practices for Special Education; (3 credits) Grade Method: REG/AUD.
Prerequisite: EDMS645. Focus is on the needs of Master's students in Special Education

0101	Susan De La Paz	Seats (Total: 25)
	W 4:15pm - 7:00pm	EDU 1121

EDSP799 **Master's Thesis Research**

EDSP799 Master's Thesis Research; (1-6 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.
Special education majors only.

Contact department for information to register for this course.

EDSP875 **Policy Issues Affecting Individuals with Disabilities**

EDSP875 Policy Issues Affecting Individuals with Disabilities; (3 credits) Grade Method: REG/AUD.
Prerequisite: EDSP students only or permission of instructor. An analysis of current educational and disability issues and policies pertaining to children, youth, and adults with disabilities.

0101	Margaret McLaughlin Tu 4:15pm - 7:00pm	Seats (Total: 15) JMZ 0122

EDSP888 **Apprenticeship in Special Education**

EDSP888 *(PermReq)* **Apprenticeship in Special Education; (1-8 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDSP888A **Apprenticeship in Special Education; Apprenticeship in College Teaching**

EDSP888A Apprenticeship in Special Education: Apprenticeship in College Teaching; (3 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDSP888B **Apprenticeship in Special Education; Educational Research Statistics**

EDSP888B Apprenticeship in Special Education: Educational Research Statistics; (1-8 credits) Grade Method: REG/AUD.

IHP1	Margo Coleman **Meets January 23, 2009 - February 28, 2009** F 6:00pm - 9:30pm Sa 9:00am - 5:00pm Class time/details on ELMs	Seats (Total: 15) Location: TBA Location: TBA ONLINE

Special Education Leadership EdD Program (DoDDS-Germany) Outreach Offering. Department approval required, contact aberman2@umd.edu. Class will meet on the following dates: 1/23-24, 1/30-31, 2/6-7, 2/13-14, and 2/27-28.

EDSP889 **Internship in Special Education**

EDSP889 *(PermReq)* **Internship in Special Education; (3-8 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Special education majors only.

Contact department for information to register for this course.

EDSP898 **Pre-Candidacy Research**

EDSP898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EDSP899 **Doctoral Dissertation Research**

EDSP899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.
Special education majors only.

Contact department for information to register for this course.

EDUC Education Spring 2009

EDUC388 **Special Topics in Education; Guided Experiences in College Teaching**

EDUC388 *(PermReq)* **Special Topics in Education: Guided Experiences in College Teaching; (3 credits)** Grade Method: REG/P-F/AUD.
Course restricted to students approved as undergraduate teaching assistants. Section 0101 reserved for standard UTA program and should be taken concurrently with EDCI 498 section 6601 for 1 credit. Section 0201 reserved for Academic Achievement Programs and should be taken concurrently with EDCI 498 section 6601 for 1 credit.

0101	Dawn Sherman W 4:00pm - 6:00pm Contact instructor or department for details.	Seats (Total: 30) ASY 3211
0201	Tilahun Beyene F 2:00pm - 4:00pm Contact instructor or department for details. *Relates to Academic Achievement Program- should be taken concurrently w th EDCI 498, Section 6601.*	Seats (Total: 20) MMH 2202

EDUC388H **Special Topics in Education; Honors Synthesis Seminar II**

EDUC388H *(PermReq)* **Special Topics in Education: Honors Synthesis Seminar II; (2 credits)** Grade Method: REG.
Seminar restricted to students admitted to the College of Education Honors Program.

0101	Christy Tirrell-Corbin M 4:15pm - 6:15pm	Seats (Total: 20) EDU 2101

EDUC499H **Honors Thesis**

EDUC499H *(PermReq)* **Honors Thesis; (1-6 credits)** Grade Method: REG/P-F.
Individual Instruction course: contact department or instructor to obtain section number.
Course restricted to students admitted to College of Education honors program.

Contact department for information to register for this course.

EDUC698O **Advanced Topics in Education; Universal Design/AT for Learning and Literacy for English Language learners in General Classroom Settings**
Contact department for information to register for this course.

ENAE Engineering, Aerospace Spring 2009

ENAE200 **Aerospace Engineering Profession II**

ENAE200 Aerospace Engineering Profession II; (1 credit) Grade Method: REG/P-F/AUD.
Prerequisite: permission of department. Recommended: ENAE100. For ENAE majors only. Overview of the engineering profession as it pertains to the role of the engineer in society, professional practice and ethical standards, career development, opportunities and need for lifelong learning, importance of safety and standards, effective written, visual, and oral communications, and the impact of the engineering profession on global issues.

0101	Nicole Roop, Kevin Lewy Tu 12:30pm - 1:45pm	Seats (Total: 40) EGR 3106
0201	Kevin Lewy, Nicole Roop Tu 12:30pm - 1:45pm	Seats (Total: 40) KEB 2111

ENAE202 **Aerospace Computing**

ENAE202 Aerospace Computing; (3 credits) Grade Method: REG.
For ENAE majors only. Also offered as ENCE202. Credit will be granted for only one of the following: ENAE202 or ENCE202. Introduction to computational tools for the solution of engineering problems. C++ & MATLAB programming including branching and loops, functions, file handling, arrays, and data structures. Students will be introduced to object-oriented programming, basic computing, algorithms, and principles of software engineering.

0101	Robert Sanner MW 1:00pm - 1:50pm Th 3:00pm - 5:00pm	Seats (Total: 35) EGR 1202 KEB 2111	 Lab
0102	Robert Sanner MW 1:00pm - 1:50pm F 3:00pm - 5:00pm	Seats (Total: 35) EGR 1202 EGR 0312	 Lab
0103	Robert Sanner MW 1:00pm - 1:50pm Th 1:00pm - 3:00pm	Seats (Total: 30) EGR 1202 KEB 2107	 Lab
0104	Robert Sanner MW 1:00pm - 1:50pm F 1:00pm - 3:00pm	Seats (Total: 30) EGR 1202 KEB 2107	 Lab

ENAE283 **Introduction to Aerospace Systems**
Contact department for information to register for this course.

ENAE324 **Aerospace Structures**

ENAE324 Aerospace Structures; (4 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ENES220. For ENAE majors only. Credit will be granted for only one of the following: ENAE322 or ENAE324. Formerly ENAE322. Analysis of torsion, beam bending, plate bending, buckling and their application to aerospace.

0101	Sung Lee, Mary Bowden MW 11:00am - 11:50am F 11:00am - 12:50pm	Seats (Total: 100) KEB 1110 KEB 1110	 Discussion

ENAE398H **Honors Research Project**

ENAE398H Honors Research Project; (1-3 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENAE404 **Space Flight Dynamics**

ENAE404 Space Flight Dynamics; (3 credits) Grade Method: REG.
Prerequisite: ENAE301. ENAE majors only or permission of department. Three-dimensional motion under central fields. Solutions to orbital motion, orbital elements, time elements. Kepler's laws. Orbital maneuvering, rendezvous and station-keeping. Rigid-body attitude dynamics, spacecraft attitude dynamics.

0101	Liam Healy	Seats (Total: 45)
	TuTh 9:30am - 10:45am	EGR 3106

ENAE414 **Aerodynamics II**

ENAE414 Aerodynamics II; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ENAE311. ENAE majors only or permission of department. Junior standing. Formerly ENAE371. Aerodynamics of inviscid incompressible flows. Aerodynamic forces and moments. Fluid statics/buoyancy force. Vorticity, circulation, the stream function and the velocity potential. Bernoulli's and Laplace's equations. Flows in low speed wind tunnels and airspeed measurement. Potential flows involving sources and sinks, doublets, and vortices. Development of the theory of airfoils and wings.

0101	Raymond Sedwick	Seats (Total: 65)
	TuTh 9:30am - 10:45am	CHE 2108

ENAE420 **Computational Structural Mechanics**

ENAE420 Computational Structural Mechanics; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ENES220, MATH241, Linear Algebra. For ENAE majors only or with permission of department. Introductory of finite element methods for aerospace engineering modeling and analysis; equips students with ability to understand manuals of commercial finite element analysis software.

0101	Sung Lee MW 5:00pm - 6:15pm	Seats (Total: 40) ITV 1100

ENAE425 **Mechanics of Composite Structures**

ENAE425 Mechanics of Composite Structures; (3 credits) Grade Method: REG. *Prerequisite: MATH246. Corequisite: ENAE324.* Introduction to structures composed of composite materials and their applications in aerospace. In particular, filamentary composite materials are studied. Material types and fabrication techniques, material properties, micromechanics, anisotropic elasticity, introduction to failure concepts.

0101	Norman Wereley MW 2:00pm - 3:15pm	Seats (Total: 10) ITV 1100

ENAE432 **Control of Aerospace Systems**

ENAE432 Control of Aerospace Systems; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: grade of C or better in ENAE283 and ENAE301. Junior standing. For ENAE majors only. Formerly ENAE332. An introduction to the feedback control of dynamic systems. Laplace transforms and transfer function techniques; frequency response and Bode diagrams. Stability analysis via root locus and Nyquist techniques. Performance specifications in time and frequency domains, and design of compensation strategies to meet performance goals.

0101	Robert Sanner MWF 9:00am - 9:50am	Seats (Total: 85) CSI 2117

ENAE464 **Aerospace Engineering Laboratory**

ENAE464 Aerospace Engineering Laboratory; (3 credits) Grade Method: REG. *Prerequisites: ENAE311; ENAE324; ENAE432; and ENAE362. ENAE majors only or permission of department.* Application of fundamental measuring techniques to measurements in aerospace engineering. Includes experiments in aerodynamics, structures, propulsion, flight dynamics and astrodynamics. Correlation of theory with experimental results.

0101	Allen Winkelmann MW 8:00am - 8:50am M 2:00pm - 5:00pm	Seats (Total: 14) JMP 3201 EGL 0121	 Lab
0102	Allen Winkelmann MW 8:00am - 8:50am Tu 2:00pm - 5:00pm	Seats (Total: 14) JMP 3201 EGL 0121	 Lab
0103	Allen Winkelmann MW 8:00am - 8:50am W 2:00pm - 5:00pm	Seats (Total: 14) JMP 3201 EGL 0121	 Lab
0201	Kenneth Yu MW 11:00am - 11:50am Th 2:00pm - 5:00pm	Seats (Total: 18) EGR 0110 EGR 0108	 Lab
0202	Kenneth Yu MW 11:00am - 11:50am F 2:00pm - 5:00pm	Seats (Total: 18) EGR 0110 EGL 1202	 Lab

ENAE482 **Aeronautical Systems Design**

ENAE482 Aeronautical Systems Design; (3 credits) Grade Method: REG. CORE Capstone (CS) Course.
Prerequisites: ENAE403; ENAE423; ENAE455; and ENAE481. Senior standing. For ENAE majors only. Senior capstone design course in the aeronautics track. Introduction of computerized methods for sizing and performance analysis. More comprehensive methods to predict weight, aerodynamics and propulsion system characteristics. Consideration in design disciplines such as vulnerability, maintainability, produceability, etc. Groups of students will complete, brief and report on a major design study to specific requirements.

0101	Dominic Palumbo MWF 10:00am - 10:50am	Seats (Total: 45) EGR 3106	
0201	Sung Lee Contact instructor or department for details.	Seats (Total: 10)	
0401	Darryll Pines Contact instructor or department for details.	Seats (Total: 10)	

ENAE484 **Space Systems Design**

ENAE484 Space Systems Design; (3 credits) Grade Method: REG. CORE Capstone (CS) Course.
Prerequisites: ENAE423; ENAE441; ENAE457; and ENAE483. For ENAE majors only. Senior capstone design course in the space track. Group preliminary design of a space system, including system and subsystem design, configuration control, costing, risk analysis, and programmatic development. Course also emphasizes written and oral engineering communications.

0101	David Akin	Seats (Total: 40)
	TuTh 11:00am - 12:15pm	EGR 1108

ENAE488C **Topics in Aerospace Engineering; CanSat Competition**

ENAE488C Topics in Aerospace Engineering: CanSat Competition; (3 credits) Grade Method: REG.

0101	Mary Bowden	Seats (Total: 15)
	Contact instructor or department for details.	

ENAE488E **Topics in Aerospace Engineering; Electro-Mechanical System Modeling**

ENAE488E Topics in Aerospace Engineering: Electro-Mechanical System Modeling; (3 credits) Grade Method: REG.
Prerequisites: ENAE362 and ENAE423

0101	Uwe Marschner, Alison Flatau	Seats (Total: 25)
	MW 12:30pm - 1:45pm	JMP 2202

ENAE499 **Elective Research**

ENAE499 *(PermReq)* **Elective Research; (3 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENAE602 **Spacecraft Attitude Dynamics and Control**

ENAE602 Spacecraft Attitude Dynamics and Control; (3 credits) Grade Method: REG/AUD.
Prerequisites: ENAE 404 and ENAE 432. Rigid body rotational dynamics of spacecraft; forced and unforced motion, torques produced by the orbital environment; orbit/attitude coupling; gas jet, momentum wheel, and magnetic torque actuators. Elementary feedback attitude regulators and algorithms for linear and nonlinear attitude tracking.

0101	Jason Mitchell	Seats (Total: 30)
	M 5:30pm - 8:00pm	EGR 0108

ENAE632 **Helicopter Aerodynamics II**

ENAE632 Helicopter Aerodynamics II; (3 credits) Grade Method: REG/AUD.
Prerequisites: {ENAE 631; and ENAE 311 and ENAE 414 or equivalent} or permission of department. Basic aerodynamic design issues associated with main rotors and tail rotors, discussion of detailed aerodynamic characteristics of rotor airfoils, modeling of rotor airfoil characteristics, review of classical methods of modeling unsteady aerodynamics, the problem of dynamic stall, review of methods of rotor analysis, physical description and modeling of rotor vortical wakes, discussion of aerodynamic interactional phenomena on rotorcraft, advanced rotor tip design, physics and modeling of rotor acoustics.

0101	John Leishman	Seats (Total: 20)
	TuTh 2:00pm - 3:15pm	MTH 0411

ENAE633 **Helicopter Dynamics**

ENAE633 Helicopter Dynamics; (3 credits) Grade Method: REG/AUD.
Prerequisite: ENAE 631 or permission of both department and instructor. Flap dynamics. Mathematical methods to solve rotor dynamics problems. Flap-lag-torsion dynamics and identify structural and inertial coupling terms. Overview on rotary wing unsteady aerodynamics. Basic theory of blade aeroelastic stability and ground and air resonance stability, vibration analyses and suppression.

0101	Inderjit Chopra	Seats (Total: 20)
	TuTh 9:30am - 10:45am	ITV 1100

HT01	Inderjit Chopra TuTh 9:30am - 10:45am	Seats (Total: 5) Location: TBA
SG01	Inderjit Chopra TuTh 9:30am - 10:45am	Seats (Total: 5) Location: TBA
SM01	Inderjit Chopra TuTh 9:30am - 10:45am	Seats (Total: 5) Location: TBA
TV01	Inderjit Chopra TuTh 9:30am - 10:45am	Seats (Total: 5) Location: TBA

ENAE634 **Helicopter Design**

ENAE634 Helicopter Design; (3 credits) Grade Method: REG/AUD.
Prerequisite: ENAE 631 or permission of both department and instructor. Principles and practice of the preliminary design of helicopters and similar rotary wing aircrafts. Design trend studies, configuration selection and sizing methods, performance and handling qualities analyses, structural concepts, vibration reduction and noise. Required independent design project conforming to a standard helicopter request for proposal (RFP).

0101	Inderjit Chopra, Vengalattore Nagaraj F 2:00pm - 5:00pm	Seats (Total: 20) EGR 2116

ENAE635 **Helicopter Stability and Control**

ENAE635 Helicopter Stability and Control; (3 credits) Grade Method: REG/AUD.
Prerequisite: {ENAE 631 and ENAE 642,} or permission of department. Advanced dynamics as required to model rotorcraft for flight dynamic studies. Development of helicopter simulation models and specifications of handling qualities. Methods for calculation of trim, poles, frequency response, and free flight response to pilot inputs.

0101	Roberto Celi MW 11:00am - 12:15pm	Seats (Total: 20) EGR 1102

ENAE652 **Computational Structural Mechanics**

ENAE652 *(PermReq)* **Computational Structural Mechanics; (3 credits)** Grade Method: REG.
Prerequisite: permission of both department and instructor. Fundamentals of structural mechanics and computational modeling. Finite element modeling of two- and three-dimensional solids, plates and shells. Geometrically nonlinear behavior. Structural stability such as buckling and postbuckling. Also offered as ENAE488C and ENME674.

0101	Sung Lee MW 5:00pm - 6:15pm	Seats (Total: 40) ITV 1100
HG01	Sung Lee MW 5:00pm - 6:15pm	Seats (Total: 5) Location: TBA
HT01	Sung Lee MW 5:00pm - 6:15pm	Seats (Total: 5) Location: TBA
SG01	Sung Lee MW 5:00pm - 6:15pm	Seats (Total: 5) Location: TBA
SM01	Sung Lee MW 5:00pm - 6:15pm	Seats (Total: 5) Location: TBA
TV01	Sung Lee MW 5:00pm - 6:15pm	Seats (Total: 5) Location: TBA

ENAE654 **Mechanics of Composite Structures**

ENAE654 Mechanics of Composite Structures; (3 credits) Grade Method: REG/AUD.
Prerequisite: ENAE 452 or permission of both department and instructor.. Corequisite: ENAE 423 or equivalent. An introduction to structures composed of composite materials and their applications in aerospace. In particular, filamentary composite materials are studied. Material types and fabrication techniques, material properties, micromechanics, anisotropic elasticity, introduction to failure concepts.

0101	Norman Wereley MW 2:00pm - 3:15pm	Seats (Total: 30) ITV 1100

HG01	Norman Wereley MW 2:00pm - 3:15pm	Seats (Total: 5) Location: TBA
HT01	Norman Wereley MW 2:00pm - 3:15pm	Seats (Total: 5) Location: TBA
SG01	Norman Wereley MW 2:00pm - 3:15pm	Seats (Total: 5) Location: TBA
SM01	Norman Wereley MW 2:00pm - 3:15pm	Seats (Total: 5) Location: TBA
TV01	Norman Wereley MW 2:00pm - 3:15pm	Seats (Total: 5) Location: TBA

ENAE682 **Hypersonic Aerodynamics**

ENAE682 Hypersonic Aerodynamics; (3 credits) Grade Method: REG/AUD. *Prerequisite: permission of department.* Hypersonic shock and expansion waves, Newtonian theory, Mach methods, numerical solutions to hypersonic inviscid flows, hypersonic boundary layer theory, viscous interactions, numerical solutions to hypersonic viscous flows. Applications to hypersonic vehicles.

0101	Mark Lewis TuTh 12:30pm - 1:45pm	Seats (Total: 20) EGR 1110

ENAE685 **Computational Fluid Dynamics II**

ENAE685 Computational Fluid Dynamics II; (3 credits) Grade Method: REG/AUD. *Prerequisite: ENAE 684 or permission of department.* Continuation of ENAE 684. Basic algorithms for the numerical solution of two and three dimensional inviscid and viscous flows. Applications to internal and external flow problems.

0101	James Baeder TuTh 11:00am - 12:15pm	Seats (Total: 20) MTH B0425

ENAE691 **Satellite Design**

ENAE691 Satellite Design; (3 credits) Grade Method: REG.
Prerequisite: ENAE 483. Systems design of Earth-orbiting satellites, including geostationary communications satellites and low Earth orbit constellations. Basics of orbital motion, communications, and instrument design. Spacecraft systems, structural design, thermal design, power generation, and attitude determination and control. Launch vehicle interfacing and mission operations.

0101	John Hrastar W 6:30pm - 9:00pm	Seats (Total: 20) EGR 0108

ENAE694 **Spacecraft Communications**

ENAE694 Spacecraft Communications; (3 credits) Grade Method: REG/AUD.
Brief overview of satellite orbits. Radio frequency communications, noise, and bandwidth limitations. Link budget analysis. Modulation and multiplexing approaches, multiple access systems. Satellite transponder and Earth station technology.

0101	David Israel Tu 6:00pm - 8:30pm	Seats (Total: 20) EGR 3102

ENAE697 **Space Human Factors and Life Support**

ENAE697 Space Human Factors and Life Support; (3 credits) Grade Method: REG/AUD.
Engineering requirements supporting humans in space. Life support design: radiation effects and mitigation strategies; requirements for atmosphere; water, food, and temperature control. Accommodations for human productivity in space: physical and psychological requirements; work station design; and safety implication of system architectures. Design and operations for extra-vehicular activity.

0101	David Akin TuTh 3:30pm - 4:45pm	Seats (Total: 30) ITV 1100
HG01	David Akin TuTh 3:30pm - 4:45pm	Seats (Total: 5) Location: TBA
HT01	David Akin TuTh 3:30pm - 4:45pm	Seats (Total: 5) Location: TBA

SG01	David Akin TuTh 3:30pm - 4:45pm	Seats (Total: 5) Location: TBA
SM01	David Akin TuTh 3:30pm - 4:45pm	Seats (Total: 5) Location: TBA
TV01	David Akin TuTh 3:30pm - 4:45pm	Seats (Total: 5) Location: TBA

ENAE743 **Applied Nonlinear Control of Aerospace Vehicles**

ENAE743 Applied Nonlinear Control of Aerospace Vehicles; (3 credits) Grade Method: REG/AUD.
Prerequisite: ENAE 641. Modern methods of analysis and synthesis of multivariable nonlinear control techniques for aircraft, spacecraft, and space manipulator systems. Topics include passivity and Lyapunov theory, feedback linearization, nonlinear observers, Hamiltonian methods, robust controller design, and an introduction to adaptive nonlinear control methods.

0101	Derek Paley TuTh 11:00am - 12:15pm	Seats (Total: 20) PHY 1402
TV01	Derek Paley TuTh 11:00am - 12:15pm	Seats (Total: 5) Location: TBA

ENAE788B **Selected Topics in Aerospace Engineering; Aircraft System identification**

ENAE788B Selected Topics in Aerospace Engineering: Aircraft System identification; (3 credits) Grade Method: REG/AUD.

HG01	Eugene Morelli MW 9:30am - 10:45am	Seats (Total: 5) Location: TBA
HT01	Eugene Morelli MW 9:30am - 10:45am	Seats (Total: 5) Location: TBA
SG01	Eugene Morelli MW 9:30am - 10:45am	Seats (Total: 5) Location: TBA

SM01	Eugene Morelli MW 9:30am - 10:45am	Seats (Total: 5) Location: TBA
TV01	Eugene Morelli MW 9:30am - 10:45am	Seats (Total: 20) ITV 1100

ENAE788E **Selected Topics in Aerospace Engineering; Electro-Mechanical System Modeling**

ENAE788E Selected Topics in Aerospace Engineering: Electro-Mechanical System Modeling; (3 credits) Grade Method: REG/AUD.

0101	Alison Flatau, Uwe Marschner MW 12:30pm - 1:45pm	Seats (Total: 20) JMP 2202

ENAE788P **Selected Topics in Aerospace Engineering; Manuvering in Planetary Atmospheres**
Contact department for information to register for this course.

ENAE788Z **Selected Topics in Aerospace Engineering; Applied Linear Algebra and Variational Methods**
Contact department for information to register for this course.

ENAE799 **Master's Thesis Research**

ENAE799 Master's Thesis Research; (1-6 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENAE898 **Pre-Candidacy Research**

ENAE898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENAE899 **Doctoral Dissertation Research**

ENAE899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENBE489 **Special Problems in Biological Engineering**

ENBE489 *(PermReq)* **Special Problems in Biological Engineering; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENBE499 **Special Problems in Agricultural Engineering Technology**

ENBE499 *(PermReq)* **Special Problems in Agricultural Engineering Technology; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENBE688 **Advanced Topics in Biological Engineering**

ENBE688 *(PermReq)* **Advanced Topics in Biological Engineering; (1-4 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENBE699 **Special Problems in Biological Engineering**

ENBE699 *(PermReq)* **Special Problems in Biological Engineering; (1-6 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENBE701 **Bioengineering Analysis of Human Physiological Response**

ENBE701 Bioengineering Analysis of Human Physiological Response; (3 credits) Grade Method: REG/AUD.
Modeling of human physiology yields insight, understanding and the ability to predict responses. This course will present physiological principles from a bioengineering viewpoint; survey basic models appearing in the literature and the mechanics and control of energetics, biomechanics, cardiovascular, thermal, and respiratory responses.

0101	Jafar Vossoughi	Seats (Total: 25)
	Tu 6:00pm - 8:30pm	ANS 0422

ENBE799 **Master's Thesis Research**

ENBE799 Master's Thesis Research; (1-6 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENBE898 **Pre-Candidacy Research**

ENBE898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENBE899 **Doctoral Dissertation Research**

ENBE899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENCE Engineering, Civil Spring 2009

ENCE100 **Introduction to Civil and Environmental Engineering**

ENCE100 Introduction to Civil and Environmental Engineering; (1 credit) Grade Method: REG/P-F/AUD.
An overview of the department of Civil and Environment Engineering. Students are introduced to the undergraduate curriculum and will be exposed to other undergraduate and graduate students at various points in their program. The course blends panel presentations by seniors and graduate students, faculty and practitioners with a project and book review to be performed by the students.

0101	Kaye Brubaker	Seats (Total: 100)
	F 1:00pm - 1:50pm	KEB 1110

ENCE200 **Engineering Information Processing I**

ENCE200 *(PermReq)* **Engineering Information Processing I; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisites: MATH141, ENES100, ENES102 and permission of department. Credit will be granted for only one of the following: ENCE200 or ENCE202. Formerly ENCE202. Spreadsheet, computational and symbolic processing packages are introduced in the context of solving engineering problems, including systems of linear equations. Computer architecture, networks, Boolean algebra, databases and introductory programming skills.

0101	Mark Austin MWF 9:00am - 9:50am	Seats (Total: 40) CSI 2107

ENCE201 **Engineering Information Processing II**

ENCE201 *(PermReq)* **Engineering Information Processing II; (3 credits)** Grade Method: REG.
Prerequisite: ENCE200 and permission of department. Credit will be granted for only one of the following: ENCE201 or ENCE203. Matrix algebra and numerical computing. Includes computing accuracy, solutions of systems of linear equations, root-finding, function approximation, and numerical integration. Additional computing material including data types and structures, object-based programming, event-based programming, and client-server computing. Numerical and computing techniques are taught in the context of solving engineering problems.

0101	Charles Schwartz MWF 2:00pm - 2:50pm	Seats (Total: 35) EGR 1108
0103	Mark Austin MWF 2:00pm - 2:50pm	Seats (Total: 35) JMP 1202

ENCE215 **Applied Engineering Sciences**

ENCE215 *(PermReq)* **Applied Engineering Sciences; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: CHEM135 and permission of department. Examination of fundamental and applied aspects of chemistry, biology, and geochemistry. Fundamental principles will be coupled with analytical and computational skills essential for addressing crucial processes on human impact on the environment and urban infrastructure. Applications to the development of new materials and technologies will be covered in case studies. Students should come out with an appreciation of how understanding the fundamental concepts could facilitate the development of technologies to mitigate human impact on the environment.

0101	Alba Torrents, Oliver Hao TuTh 9:30am - 10:45am	Seats (Total: 40) EGR 1104	
0102	Oliver Hao, Alba Torrents TuTh 9:30am - 10:45am	Seats (Total: 35) EGL 1204	

ENCE300 **Fundamentals of Engineering Materials**

ENCE300 *(PermReq)* **Fundamentals of Engineering Materials; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: ENES220 and permission of department. Behavior, physical, mechanical and chemical properties, design and performance of civil engineering materials, including aggregates, cement, concrete, asphalt binders and mixtures, plastics and geosynthetics, timber, metals and alloys. Modified and advanced highway materials (polymer and rubber modified mixtures, high performance concrete, composites, smart materials). Laboratory testing with hands-on experience on aggregates, Portland cement concrete, asphalt mixtures, timber and metals as per SUPERAVE, ACI design methods, and ASTM standards and specifications.

0101	Dimitrios Goulias Tu 12:30pm - 2:30pm Th 12:30pm - 2:30pm	Seats (Total: 15) EGR 0110 EGL 0106A	 Lab
0102	Dimitrios Goulias Tu 12:30pm - 2:30pm Th 2:30pm - 4:30pm	Seats (Total: 15) EGR 0110 EGL 0106A	 Lab

0103	Dimitrios Goulias Tu 12:30pm - 2:30pm Th 10:30am - 12:30pm	Seats (Total: 15) EGR 0110 EGL 0106A	 Lab
0104	Haejin Kim Tu 2:30pm - 4:30pm Th 4:30pm - 6:30pm	Seats (Total: 15) EGR 3111 EGL 0106A	 Lab

ENCE301 **Geo-Metrics and GIS in Civil Engineering**

ENCE301 *(PermReq)* **Geo-Metrics and GIS in Civil Engineering; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisites: ENCE200, ENCE201 and permission of department. The purpose is to have students develop skills in using GIS technology to solve a range of problems in Civil and Environmental Engineering. It begins with a rigorous unit on the basics of database organization and use. Then it presents GIS concepts emphasizing the linkage between a standard relational database and the spatially-referenced database underlying the GIS. Both raster and vector data models are presented and used in a variety of natural applications to Civil and Environmental Engineering. Students are also exposed to scripting which aids in the development of more elaborate analyses and reinforces object-oriented programming concepts learned in ENCE 200 and ENCE 201.

0101	Kaye Brubaker MWF 11:00am - 11:50am	Seats (Total: 37) EGR 3106	
0103	Elise Miller-Hooks MWF 10:00am - 10:50am	Seats (Total: 37) EGR 1156	

ENCE302 **Probability and Statistics for Civil and Environmental Engineers**

ENCE302 *(PermReq)* **Probability and Statistics for Civil and Environmental Engineers; (3 credits)** Grade Method: REG.
Prerequisites: ENCE201, MATH246, and permission of department. Statistics is the science of data. Civil Engineers must often make decisions based on incomplete, variable or uncertain information. In addition, modern methods of design and analysis need to account for variability in natural, engineered and human systems. After successful completion of this class, a student should have facility and familiarity with established basic techniques for managing data, modeling variability and uncertainty, communicating about data and decisions, and supporting or defending a decision or judgment based on uncertain or incomplete data.

0101	Mehmet Corapcioglu MWF 2:00pm - 2:50pm	Seats (Total: 50) HBK 0115

ENCE305 **Fundamentals of Engineering Fluids**

ENCE305 *(PermReq)* **Fundamentals of Engineering Fluids; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisites: ENES220, (PHYS260 and PHYS261 {Formerly: PHYS262}) and permission of department. Credit will be granted for only one of the following: ENCE305 or ENCE330. Formerly ENCE330. The theoretical bases for fluid statics and dynamics, including the conservation of mass, energy and momentum. Modeling of hydraulic systems are introduced. Emphasis on pipe flow and open-channel hydraulics, with real-world applications.

0201	Yaron Sternberg MWF 8:00am - 8:50am	Seats (Total: 35) EGR 1104
0301	Richard McCuen MWF 10:00am - 10:50am	Seats (Total: 35) EGR 1104

ENCE310 **Introduction to Environmental Engineering**

ENCE310 *(PermReq)* **Introduction to Environmental Engineering; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisites: ENCE215, PHYS260 (Formerly: PHYS262) and permission of department. Introduction to the physical, chemical and biological systems relating to the quality of water, land and air environments. Fundamental principles will be emphasized, current environmental pollution problems will be examined and methods of pollution abatement discussed.

0101	Oliver Hao TuTh 8:00am - 9:15am	Seats (Total: 35) CHE 2136
0201	Eric Seagren TuTh 11:00am - 12:15pm	Seats (Total: 35) JMP 1202

ENCE320 **Introduction to Project Management**

ENCE320 *(PermReq)* **Introduction to Project Management; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: permission of department. A course designed to expose students to the techniques of engineering project management and to develop analytical skills necessary on the management side of engineering projects. Topics include economic analysis, project screening and selection, organizational and project structure, scheduling, budgeting, resource management, life cycle costing, and project control.

0101	C Smith MW 4:00pm - 5:15pm *Click here for syllabus.*	Seats (Total: 100) KEB 1110

ENCE340 **Fundamentals of Geotechnical Engineering**

ENCE340 *(PermReq)* **Fundamentals of Geotechnical Engineering; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: ENES220 and permission of department. Introductory study of soils in civil engineering. Soil origin, phase relationships and classification schemes. Soil hydraulics: capillary, effective stress, permeability and seepage considerations. Basic stress distribution theories and soil consolidation-settlement analysis. Integration of shear strength evaluation with slope stability analysis. If time permits, topics such as applications in geoenvironmental engineering will be covered.

0101	Mehmet Corapcioglu TuTh 11:00am - 12:15pm	Seats (Total: 49) EGR 1104

ENCE353 **Introduction to Structural Analysis**

ENCE353 *(PermReq)* **Introduction to Structural Analysis; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisites: ENES220, MATH246 and permission of department. The basic tools of structural analysis and design. Design loads. Equilibrium of external and internal forces. Shear and moment diagrams in beams and frames. Truss analysis. Influence line diagrams. The slope-deflection method and method of consistent deformation. Matrix stiffness methods for beams, frames and trusses.

0101	Bilal Ayyub MWF 9:00am - 9:50am	Seats (Total: 40) EGR 3106

ENCE370 **Introduction to Transportation Engineering and Planning**

ENCE370 Introduction to Transportation Engineering and Planning; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisites: ENCE201, (PHYS260 and PHYS261 {Formerly: PHYS262}) and permission of department. Engineering problems of transportation by highways, airways, pipelines, waterways, and railways. Transportation modes and technologies, vehicle dynamics, basic facility design, traffic stream models, capacity analysis, transportation planning, evaluation and choice, and network analysis.

0101	Lei Zhang MWF 1:00pm - 1:50pm	Seats (Total: 40) EGR 3106

ENCE402 **Simulation and Design of Experiments for Engineers**

ENCE402 *(PermReq)* **Simulation and Design of Experiments for Engineers; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisites: ENCE302 and permission of department. Review of statistics and hypothesis testing, sample design and design of experiments, generation of discrete and continuous distributions and their applications. Introduction of simulation languages and simulation of discrete and continuous engineering systems. Output analysis, model validation and sensitivity and reliability analysis.

0101	David Lovell	Seats (Total: 35)
	TuTh 11:00am - 12:15pm	PLS 1111

ENCE412 **Environmental Engineering Unit Operations**

ENCE412 *(PermReq)* **Environmental Engineering Unit Operations; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisites: ENCE305, ENCE310 and permission of department. Examination of unit operations and processes encountered in environmental engineering field. Fundamental principles learned from previous classes will be applied into the design and operation of unit operations and processes, particularly in the area of water and wastewater treatment. Similar processes will be applied to air pollution control, solid waste disposal and hazardous waste treatment.

0101	Allen Davis	Seats (Total: 35)
	TuTh 2:00pm - 3:15pm	EGR 3106

ENCE421 **Legal Aspects of Engineering Practice**

ENCE421 Legal Aspects of Engineering Practice; (3 credits) Grade Method: REG/AUD.
Prerequisites: ENCE320 or equivalent; and permission of department. Study legal principles relevant to engineering design and construction contracts. Specific subjects covered include engineering design and construction contracts, torts, agency, professional liability, labor laws, insurance, expert testimony, mediation and arbitration, intellectual property, patents and copyrights, sureties and ethics. Study principles of ethical and professional conduct of engineers. Gaining familiarity with the basic structure of the US legal system as it relates to legal obligations and responsibilities of engineers.

0101	Miroslaw Skibniewski	Seats (Total: 45)
	Th 5:00pm - 7:30pm	CHM 1224

ENCE422 **Project Cost Accounting and Economics**

ENCE422 Project Cost Accounting and Economics; (3 credits) Grade Method: REG/AUD.
Prerequisite: ENCE320 or equivalent; and permission of department. Effective project managers have complete command of their project costs. Reviews the fundamentals of accounting; examines project cost accounting principles, applications, and impact on profitability; examines the principles of activity based costing; covers the elements involved in cash management; introduces the framework for project performance measurement, net present value, depreciation, taxes, and earned value analysis.

0101	Qingbin Cui	Seats (Total: 45)
	Th 5:00pm - 7:30pm	CHE 2118

ENCE423 **Project Planning, Scheduling and Control**

ENCE423 Project Planning, Scheduling and Control; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ENCE320 or equivalent; and permission of department. Students will learn the basics of project planning and scope development; developing implementation plans; creating work breakdown structures; scheduling fundamentals and the different methods of scheduling; when to schedule, why network schedules and the network diagram; scheduling calculations and the critical path; managing project risk; and the fundamentals of project control including basic control theory and how to control project cost, schedule and resources.

0101	Kenneth O'Connell	Seats (Total: 45)
	M 5:00pm - 7:30pm	EGR 0110

ENCE424 **Communication for Project Managers**

ENCE424 Communication for Project Managers; (3 credits) Grade Method: REG.
For Project Management Minors and CEE Majors only; or permission of department. The fundamentals of communications for project managers. Emphasis on interpersonal and group communications; communication through voice, electronic, and written messages; project cycle and reports and presentations during this cycle; and communications for employment.

0101	Steven Gabriel	Seats (Total: 45)
	Tu 5:00pm - 7:30pm	EGR 1108

ENCE431 **Hydrologic Engineering**

ENCE431 *(PermReq)* **Hydrologic Engineering; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisites: ENCE305 and permission of department. An introduction to basic principles of hydrologic science including the hydrologic cycle, rainfall, surface runoff and streamflow. Special emphasis is placed on hydrologic engineering design of stormwater management and flood control facilities. Design projects are used to illustrate design practices.

0101	Richard McCuen	Seats (Total: 35)	
	MWF 9:00am - 9:50am	EGR 1104	

ENCE444 **Laboratory Characterization of Geomaterials**

ENCE444 *(PermReq)* **Laboratory Characterization of Geomaterials; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisites: ENCE340 and permission of department. Review of major soil tests and their interpretation for engineering purposes. Engineering classification tests (Atterberg limits and grain size distribution), permeability, in-situ and lab density-moisture test, soil strength (CBR, unconfined compression, direct shear test and triaxial) and compressibility characteristics.

0101	Mohamed Aggour	Seats (Total: 23)	
	Tu 2:00pm - 3:00pm	MTH 0104	
	W 1:00pm - 4:00pm	EGL 0110	Lab

ENCE453 **Computer-Aided Structural Analysis**

ENCE453 *(PermReq)* **Computer-Aided Structural Analysis; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: ENCE353 and permission of department. Computer-aided analysis of structural systems. Unified matrix formulation of stiffness and flexibility methods. Slope deflection method. Evaluation of truss, frame, and grid systems. Non-prismatic and curved elements. Error analysis and determination of ill-conditions. Introduction to finite element methods; formulation of simple two-dimensional elements. In laboratory, use and development of CAD software.

0101	Peter Chang	Seats (Total: 42)	
	TuTh 9:30am - 10:45am	EGR 1108	

ENCE455 **Design of Steel Structures**

ENCE455 *(PermReq)* **Design of Steel Structures; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisites: ENCE353 and permission of department. Behavior and design of members subjected to fatigue, and combined bending and compression; plate girders, composite beams, open-web joists and connections. Methods of allowable stress design, and load and resistance factor design. Elements of plastic analysis and design. Framing systems and loads for industrial buildings and bridges.

0101	Peter Chang	Seats (Total: 35)
	TuTh 12:30pm - 1:45pm	EGR 1108

ENCE466 **Design of Civil Engineering Systems**

ENCE466 *(PermReq)* **Design of Civil Engineering Systems; (3 credits)** Grade Method: REG. CORE Capstone (CS) Course.
Must be taken in the semester in which the student graduates. Prerequisite: permission of department. Senior standing. A major civil engineering design experience that emphasizes development of student creativity, development and use of design methodologies, evaluation of alternate solutions, feasibility considerations, and detailed system descriptions. Realistic design constraints including economic factors, safety, aesthetics, and reliability will be imposed. Students will work in design project groups and be required to exercise oral and written communication skills.

0101	Amde Amde	Seats (Total: 50)
	TuTh 3:30pm - 4:45pm	EGR 1156

ENCE472 **Transportation Engineering**

ENCE472 *(PermReq)* **Transportation Engineering; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: ENCE302, ENCE370 and permission of department. Transportation engineering concepts including transportation systems analysis, airport systems, airline and airport operations, marine transportation and urban public transportation systems.

0101	Paul Schonfeld	Seats (Total: 35)
	TuTh 12:30pm - 1:45pm	EGR 1104

ENCE489 **Special Problems in Civil Engineering**

ENCE489 Special Problems in Civil Engineering; (1-4 credits) Grade Method: REG/P-F/AUD.

1101	Richard McCuen Contact instructor or department for details.	Seats (Total: 5)
2001	Yunfeng Zhang Contact instructor or department for details.	Seats (Total: 5)
2401	Gang-Len Chang Contact instructor or department for details.	Seats (Total: 5)

ENCE600 **Global Project Management**

ENCE600 Global Project Management; (3 credits) Grade Method: REG/AUD. *Recommended: ENCE662. For ENCE or ENPM majors only or permission of department.* An overview of global project management from initiation through planning, execution, closing and with general emphasis on control will be provided. It is designed to augment the basics of domestic project management with information pertinent to the global project environment working in multiple countries, culture,s, time zones and working virtually.

0101	Saumyendu Ghosh Sa 9:00am - 11:30am	Seats (Total: 30) ITV 1111
HG01	Saumyendu Ghosh Contact instructor or department for details.	Seats (Total: 6)
HT01	Saumyendu Ghosh Contact instructor or department for details.	Seats (Total: 6)
SG01	Saumyendu Ghosh Contact instructor or department for details.	Seats (Total: 6)
SM01	Saumyendu Ghosh Contact instructor or department for details.	Seats (Total: 6)

ENCE603 **Management Science Applications in Project Management**

ENCE603 Management Science Applications in Project Management; (3 credits) Grade Method: REG/AUD.

For majors only or permission of department. The fundamentals of management science techniques in project management including: linear and integer programming, multi-objective optimization, simulation, decision analysis, Analytic Hierarchy Process (AHP), deterministic and stochastic dynamic programming. Applications will be drawn from the Critical Path Method (CPM), resource management, and other areas of Project Management.

0101	Steven Gabriel Tu 2:00pm - 4:30pm	Seats (Total: 30) EGR 2103
PM01	Steven Gabriel Class time/details on ELMs	Seats (Total: 30) ONLINE

ENCE607 **Real Estate Investment and Planning for the Project Manager**

ENCE607 Real Estate Investment and Planning for the Project Manager; (3 credits) Grade Method: REG/AUD.

Real estate investment and development is fundamentally the acquisiton, financing, construction, leasing, and disposition of land and buildings. While many courses examine the traditional elements of project management, few courses prepare students for the complex interaction of property acquisition, financing, design, and construction. To succeed and be valued by owners, the project manager must recognize the mechanics and perils of real estate investment and communicate in the language of development.

0101	Steven Shapiro M 6:00pm - 8:30pm	Seats (Total: 23) PLS 1176

ENCE624 **Managing Projects in a Dynamic Environment**

ENCE624 Managing Projects in a Dynamic Environment; (3 credits) Grade Method: REG/AUD.

Prerequisite: permission of department. This course examines the nine principles simultaneous managers use interdependently and presents a theory of project management that is intellectually rigorous and consistent with pragmatic knowledge.

PM01	John Cable **Meets January 30, 2009 - May 15, 2009** Class time/details on ELMs *This section is taught online. For more information, please visit http://www.pm.umd.edu/ for more information.*	Seats (Total: 30) ONLINE

ENCE625 **Project Administration**

ENCE625 Project Administration; (3 credits) Grade Method: REG/AUD.
The principals of project administration procedures from the viewpoint of a resident project manager or project engineer specifically addressing their responsibilities in the engineering, design, or construction industries are examined. The course is suitable for students, engineering and design professionals, project managers, experienced contract administrators, and owners interested in the special administrative problems or construction.

0101	Neil Schulman Tu 6:00pm - 8:30pm	Seats (Total: 45) EGR 2103
HG01	Neil Schulman Tu 6:00pm - 8:30pm	Seats (Total: 5) Location: TBA
HT01	Neil Schulman Tu 6:00pm - 8:30pm	Seats (Total: 5) Location: TBA
PM01	Neil Schulman **Meets January 30, 2009 - May 15, 2009** Class time/details on ELMs *This section is taught online. For more information, please visit http://www.pm.umd.edu/ for more information.*	Seats (Total: 30) ONLINE
SG01	Neil Schulman Tu 6:00pm - 8:30pm	Seats (Total: 5) Location: TBA
SM01	Neil Schulman Tu 6:00pm - 8:30pm	Seats (Total: 5) Location: TBA

ENCE627 **Project Risk Management**

ENCE627 Project Risk Management; (3 credits) Grade Method: REG.
Not open to students who have completed ENCE627 or ENCE688Q. Introduction to identifying, analyzing, assessing, and managing risks inherent to engineering projects. Includes: probability modeling, choice and value theory, schedule and cost risk, risk mitigation and transfer, and contract considerations of project risk. Examples are drawn from construction, software development, systems integration, and other large engineering projects; and cover probability basics, subjective probability, statistical data analysis, introduction to decision theory, Monte Carlo simulation, value of information, and risk-based decision making.

PM01	Gregory Baecher	Seats (Total: 30)
	Meets January 30, 2009 - May 15, 2009	
	Class time/details on ELMs	ONLINE
	This section is taught online. For more information, please visit http://www.pm.umd.edu/ for more information.	

ENCE644 **Advanced Pavement and Civil Engineering Materials**

ENCE644 Advanced Pavement and Civil Engineering Materials; (3 credits) Grade Method: REG/AUD.
Prerequisite: ENCE 300. Credit will be granted for only one of the following: ENCE 644 or ENCE 688P. Formerly ENCE688P. Advanced course in Highway and Civil Engineering Materials. Dynamic Material Characterization. Elastic, Plastic and Viscoelastic Behavior. Energy Analysis. Physical and Mechanical Properties. NDT. Performance: Creep, Fatigue, Durability, other. Recent developments in Aggregate Evaluation, Portland Cement Concrete, High Performance Concrete, Conventional and Modified Asphalt Binders and Mixtures, Polymers & Composites, Geotextiles, Smart and Self Healing Materials, Recycled and Reclaimed Materials.

0101	Dimitrios Goulias	Seats (Total: 15)
	Tu 4:30pm - 7:00pm	EGR 0110

ENCE650 **Process Dynamics in Environmental Systems**

ENCE650 Process Dynamics in Environmental Systems; (3 credits) Grade Method: REG/AUD.
Formerly ENCE636. The fundamentals of heterogeneous equilibria, rates of environmental reactions, and flow and material transport or presented. Applications of these principles will be presented to small and large scale environmental problems involving liquid, gas, and solid phases. Both natural and engineered environmental systems will be examined.

0101	Allen Davis	Seats (Total: 15)
	TuTh 9:30am - 10:45am	EGR 0135

ENCE662 **Introduction to Project Management**

ENCE662 Introduction to Project Management; (3 credits) Grade Method: REG/AUD.
Introduction to project management including: overview and concepts of project management (principles, body of knowledge, strategies); planning successful projects (defining, specifying, delivery options, scheduling, budgeting); implementing (organizing the team, work assignments, team building, effective leadership); executing (performance measurement, maintaining the schedule, adjustments/mid-course corrections, record keeping, status reporting, communications, managing conflict, time management); and closeout(performance measurement, maintaining the schedule, adjustments/mid-course corrections, record keeping, status reporting, communications, managing conflict, time management).

PM01	John Cable	Seats (Total: 35)
	Meets January 30, 2009 - May 15, 2009	
	Class time/details on ELMs	ONLINE
	This section is taught online. For more information, please visit http://www.pm.umd.edu/ for more information.	

ENCE664 **Legal Aspects of Engineering Design and Construction**

ENCE664 Legal Aspects of Engineering Design and Construction; (3 credits)
Grade Method: REG/AUD.
Prerequisite: permission of department. Examines ways in which the legal system affects the design and construction process. Focuses on contract types and the relationships between the parties in different delivery systems. Covers basics of procurement protocols along with negotiating techniques and strategies. Topics include contract law, the relationships between the parties, tort and negligence law, and the statutory principles affecting construction.

0101	Thomas Barham W 6:00pm - 8:30pm	Seats (Total: 50) EGR 2103
HG01	Thomas Barham W 6:00pm - 8:30pm	Seats (Total: 5) Location: TBA
HT01	Thomas Barham W 6:00pm - 8:30pm	Seats (Total: 5) Location: TBA
SG01	Thomas Barham W 6:00pm - 8:30pm	Seats (Total: 5) Location: TBA
SM01	Thomas Barham W 6:00pm - 8:30pm	Seats (Total: 5) Location: TBA

ENCE665 **Management of Project Teams**

ENCE665 Management of Project Teams; (3 credits) Grade Method: REG/AUD.
Prerequisite: permission of department. For ENCE majors only. Experience has shown that really excellent project managers are not only technically competent but that they have above average skills in human relations and communications. The course will prepare project managers to optimize the utilization of their most important resource: people. Relying primarily on a wide range of research and experience in the Project Team, this course will help guide project managers in building the other skills needed to be truly successful in the competitive Project Team.

PM01	Jocelyn Davis **Meets January 30, 2009 - May 15, 2009** Class time/details on ELMs	Seats (Total: 35) ONLINE
	This section is taught online. For more information, please visit http://www.pm.umd.edu/ for more information.	

ENCE667 **Project Performance Measurement**

ENCE667 Project Performance Measurement; (3 credits) Grade Method: REG/AUD.
Prerequisite: permission of department. Examination of various techniques and models used to measure the performance of projects. Topics will include: Critical Path Method (CPM), Program Evaluation Review Technique (PERT), Gantt charts, project crashing, resource management, capital allocation, forecasting, hypothesis testing, regression analysis, learning curve analysis, goal programming, Monte Carlo simulation, the Analytic Hierarchy Process (AHP), Pareto optimality and tradeoff curves as well as basics in linear programming and uncertainity modeling.

0101	Gregory Baecher Th 3:30pm - 6:00pm	Seats (Total: 40) EGR 2103
HG01	Gregory Baecher Th 3:30pm - 6:00pm	Seats (Total: 5) Location: TBA
HT01	Gregory Baecher Th 3:30pm - 6:00pm	Seats (Total: 5) Location: TBA
SG01	Gregory Baecher Th 3:30pm - 6:00pm	Seats (Total: 5) Location: TBA
SM01	Gregory Baecher Th 3:30pm - 6:00pm	Seats (Total: 5) Location: TBA

ENCE673 **Urban Transportation**

ENCE673 Urban Transportation; (3 credits) Grade Method: REG/AUD.
The contempory methodology of urban transportation planning. The urban transportation planning process, interdependence between the urban transportation system and the activity system, urban travel demand models, evaluation of urban transportation alternatives and their implementation. Also offered as URSP688F.

0101	Kelly Clifton M 4:00pm - 6:30pm	Seats (Total: 25) ARC 0111

ENCE675 **Airport Planning and Design**

ENCE675 Airport Planning and Design; (3 credits) Grade Method: REG/AUD. *Prerequisite: ENCE 471 or permission of both department and instructor.* The planning and design of airports including site selection, runway configuration, geometric and structural design of the landing area, and terminal facilities. Methods of financing airports, estimates of aeronautical demand, air traffic control, and airport lighting are also studied.

0101	Paul Schonfeld	Seats (Total: 30)
	Tu 5:00pm - 7:45pm	EGR 2116

ENCE688D **Advanced Topics in Civil Engineering; Surface Water Quality Modeling**

ENCE688D Advanced Topics in Civil Engineering: Surface Water Quality Modeling; (3 credits) Grade Method: REG/AUD.

0101	Kaye Brubaker	Seats (Total: 20)
	Th 5:00pm - 7:45pm	EGR 1102

ENCE688F **Advanced Topics in Civil Engineering; Environmental Experimental Design**

ENCE688F Advanced Topics in Civil Engineering: Environmental Experimental Design; (3 credits) Grade Method: REG/AUD.

0101	Alba Torrents	Seats (Total: 20)
	Th 12:00pm - 2:30pm	HBK 0108

ENCE688L **Advanced Topics in Civil Engineering; Managing/Leading Project Teams**

ENCE688L Advanced Topics in Civil Engineering: Managing/Leading Project Teams; (3 credits) Grade Method: REG/AUD.
Prerequisites: ENCE 665 and permission of department. This course is for students seeking advanced work in the topics initially introduced in ENCE 665. Topics will be jointly identified with the instructor. Outcome of coursework will be an academic paper with practical applications.

0101	Jocelyn Davis	Seats (Total: 20)
	TBA	EGR 1102
	Class will meet periodically throughout the semester as coordinated by he instructor.	

PM01	Jocelyn Davis	Seats (Total: 5)
	Class time/details on ELMs	ONLINE
	This section is taught online. For more information, please visit http://www.pm.umd.edu/ for more information.	

ENCE689 **Seminar**

ENCE689 Seminar; (1-16 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Majors only. Other majors require permission of department.

Contact department for information to register for this course.

ENCE710 **Steel Structures I**

ENCE710 Steel Structures I; (3 credits) Grade Method: REG/AUD.
Formerly ENCE656. Moment connections of beams and columns. Wind bracing connections. Plate girders. Floor systems for buildings. Strengthening of beams and trusses. Corrosion control. Fatigue and fracture.

0101	Chung Fu	Seats (Total: 25)
	MW 5:00pm - 6:15pm	EGR 3114

ENCE713 **Concrete Structures I**

ENCE713 Concrete Structures I; (3 credits) Grade Method: REG/AUD.
Formerly ENCE753. The behavior and strength of reinforced concrete members under combined loadings, including the effects of creep, shrinkage and temperature. Mechanisms of shear resistance and design procedures for bond, shear and diagonal tension. Elastic and ultimate strength analysis and design of slabs. Columns in multistory frames. Applications to reinforced concrete structures.

0101	Amde Amde	Seats (Total: 25)
	MW 3:30pm - 4:45pm	EGR 2116

ENCE715 **Earthquake Engineering**

ENCE715 Earthquake Engineering; (3 credits) Grade Method: REG/AUD. *Prerequisite: permission of instructor. Formerly ENCE755.* Review of SDOF and MDOF structural dynamics; characteristics of earthquakes; philosophies of seismic design; elastic and inelastic response spectra; design for ductility; principles of capacity design; design of structural systems requiring special performance criteria.

0101	Yunfeng Zhang	Seats (Total: 20)
	TuTh 3:30pm - 4:45pm	EGR 2154

ENCE741 **Earth Retaining Structures**

ENCE741 Earth Retaining Structures; (3 credits) Grade Method: REG/AUD. Introduction to types and uses of earth retaining structures, and lateral earth pressure concepts and theories. Analysis and design of retaining walls and shoring structures and their bracing systems. These include conventional retaining walls, mechanically stabilized earth walls, cantilever and anchored sheet piling, cellular cofferdams, braced cuts, soil nailing, and the design of tiebacks and anchors. Load and resistance factor design concept will be presented.

0101	Mohamed Aggour	Seats (Total: 25)
	Th 5:00pm - 7:30pm	EGR 1108

ENCE756 **Bioremediation**

ENCE756 Bioremediation; (3 credits) Grade Method: REG/AUD. *Prerequisite: permission of instructor.* Introduction to microbiological and engineering fundamentals of bioremediation. Coverage will emphasize current and emerging technologies for major classes of environmental contaminants and contaminated site characteristics; relevant microbial ecology, biochemistry and physiology; site data needed to assess the feasibility of the bioremediation option; design and operation of engineered bioremediation systems, including reactor and in situ approaches; monitoring methods for evaluating the success of bioremediation projects; technical evaluation of selected case studies.

0101	Eric Seagren	Seats (Total: 20)
	TuTh 3:30pm - 4:45pm	EGR 1110

ENCE799 **Master's Thesis Research**

ENCE799 Master's Thesis Research; (1-6 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.
Majors only. Other majors require permission of department.

Contact department for information to register for this course.

ENCE898 **Pre-Candidacy Research**

ENCE898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENCE899 **Doctoral Dissertation Research**

ENCE899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.
Majors only. Other majors require permission of department.

Contact department for information to register for this course.

ENCH Engineering, Chemical Spring 2009

ENCH250 **Computer Methods in Chemical Engineering**

ENCH250 *(PermReq)* **Computer Methods in Chemical Engineering; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisites: ENES100; and ENCH215. Corequisite: MATH246. Algorithm development and application of software to the analysis of chemical engineering problems. File management and editing, graphics and numerical methods. Use of spreadsheets, statistics/math software and process simulators for the design of chemical process equipment.

0101	Raymond Adomaitis	Seats (Total: 70)	
	MWF 10:00am - 10:50am	CHE 2108	
	F 12:00pm - 12:50pm	CHE 2108	Discussion

ENCH300 **Chemical Process Thermodynamics**

ENCH300 Chemical Process Thermodynamics; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisites: CHEM241; and ENCH215. Corequisite: MATH241 and ENCH250. Principles of thermodynamics and their application to engineering problems. First and second laws of thermodynamics, properties of gases, liquids and solids, phase equilibrium, flow and non-flow systems, energy conversion, production of work from heat, thermodynamic analysis of processes, equilibrium stage operations and the thermodynamics of chemically reacting systems.

0101	Ganesh Sriram	Seats (Total: 70)	
	TuTh 12:30pm - 1:45pm	CHE 2108	
	W 12:00pm - 12:50pm	CHM 0119	Discussion

ENCH333 **Chemical Engineering Seminar**

ENCH333 *(PermReq)* **Chemical Engineering Seminar; (1 credit)** Grade Method: REG/P-F/AUD.
Junior standing. Oral and written reports on recent developments in chemical engineering and the process industries.

0101	William Weigand	Seats (Total: 15)
	W 2:00pm - 2:50pm	CHE 2145
0201	William Weigand	Seats (Total: 15)
	W 12:00pm - 12:50pm	CHE 2116
0301	William Weigand	Seats (Total: 15)
	W 10:00am - 10:50am	CHE 2136

ENCH424 **Transport Processes II**

ENCH424 *(PermReq)* **Transport Processes II; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisites: ENCH300 and ENCH422. Principles of mass and heat transfer as applied to model development and process design. Species continuity equation with application to diffusion, and convection in laminar flow. Macroscopic balances and mass transfer coeffecients with application to turbulent flow. Mircroscopic equation of energy with application to heat conduction, and convection in laminar flow. Macroscopic energy balance and heat transfer coeffecients with application to turbulent flow. Heat exchanger design.

0101	Richard Calabrese	Seats (Total: 60)	
	TuTh 2:00pm - 3:15pm	CHE 2110	
	F 2:00pm - 2:50pm	CHE 2110	Discussion

ENCH440 **Chemical Engineering Kinetics**

ENCH440 *(PermReq)* **Chemical Engineering Kinetics; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisites: ENCH400; and ENCH422. Fundamentals of chemical reaction kinetics and their application to the design and operation of chemical reactors. Reaction rate theory, homogeneous reactions and catalysis electrochemical reactions. Catalytic reactor design.

0101	Srinivasa Raghavan	Seats (Total: 70)	
	MWF 11:00am - 11:50am	CHE 2108	
	M 12:00pm - 12:50pm	CHE 2108	Discussion

ENCH442 **Chemical Engineering Systems Analysis**

ENCH442 *(PermReq)* **Chemical Engineering Systems Analysis; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisites: ENCH300; and ENCH422. Corequisite: ENCH440. Dynamic response applied to process systems. Goals and modes of control, Laplace transformations, analysis and synthesis of simple control systems, closed loop response, dynamic testing.

0101	William Weigand	Seats (Total: 60)	
	MWF 9:00am - 9:50am	CHE 2108	
	W 1:00pm - 1:50pm	CHE 2108	Discussion

ENCH446 **Process Engineering Economics and Design II**

ENCH446 *(PermReq)* **Process Engineering Economics and Design II; (3 credits)** Grade Method: REG/P-F/AUD. CORE Capstone (CS) Course.
Prerequisite: ENCH444. Application of chemical engineering principles for the design of chemical processing equipment. Typical problems in the design of chemical plants.

0101	Francis Schork	Seats (Total: 50)	
	W 3:00pm - 5:30pm	CHE 2108	

ENCH468 **Research**

ENCH468 *(PermReq)* **Research; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENCH468T **Research; Tissue Engineering**

ENCH468T Research: Tissue Engineering; (3 credits) Grade Method: REG/P-F/AUD.

0101	John Fisher	Seats (Total: 49)
	M 2:00pm - 4:30pm	CHE 2118

ENCH476 **Statistics and Experiment Design**

ENCH476 Statistics and Experiment Design; (3 credits) Grade Method: REG/P-F/AUD.
Credit will be granted for only one of the following: ENCH468G or ENCH476. Formerly ENCH468G. Intelligent design of experiments and statistical analysis of data. Probability, probability distribution, error analysis; data collection, sampling, graphing; variance, significant tests. Cluster analysis and pattern recognition. Factorial design, combinatorial methods.

0101	Jeffery Klauda	Seats (Total: 25)
	TuTh 11:00am - 12:15pm	CHE 2108

ENCH485 **Biochemical Engineering Laboratory**

ENCH485 Biochemical Engineering Laboratory; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ENCH482. Techniques of measuring pertinent parameters in fermentation reactors, quantification of production variables for primary and secondary metabolites such as enzymes and antibiotics, the insolubilization of enzymes for reactors, and the demonstration of separation techniques such as ultrafiltration and affinity chromatography.

0101	Nam Sun Wang TuTh 1:00pm - 5:00pm	Seats (Total: 25) EGR 3108

ENCH609 **Graduate Seminar**

ENCH609 *(PermReq)* **Graduate Seminar; (1 credit)** Grade Method: REG/AUD. Advanced special students require department permission.

0101	Chunsheng Wang Tu 11:00am - 12:00pm	Seats (Total: 30) CHE 2110

ENCH630 **Transport Phenomena**

ENCH630 Transport Phenomena; (3 credits) Grade Method: REG/AUD.
Heat, mass and momentum transfer theory from the viewpoint of the basic transport equations. Steady and unsteady state; laminar and turbulent flow; boundary layer theory, mechanics of turbulent transport; with specific application to complex chemical engineering situations.

0101	Panagiotis Dimitrakopoulos MW 4:00pm - 5:15pm	Seats (Total: 27) CHE 2136

ENCH640 **Advanced Chemical Reaction Kinetics**

ENCH640 Advanced Chemical Reaction Kinetics; (3 credits) Grade Method: REG/AUD.
The theory and application of chemical reaction kinetics to reactor design. Reaction rate theory; homogeneous batch and flow reactors; fundamentals of catalysis; design of heterogeneous flow reactors.

0101	Kyu Yong Choi MW 5:30pm - 6:45pm	Seats (Total: 30) CHE 2108

ENCH648 **Special Problems in Chemical Engineering**

ENCH648 *(PermReq)* **Special Problems in Chemical Engineering; (1-16 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENCH648G **Special Problems in Chemical Engineering; Statistics and Design of Experiments**

ENCH648G Special Problems in Chemical Engineering: Statistics and Design of Experiments; (3 credits) Grade Method: REG/AUD.

0101	Jeffery Klauda	Seats (Total: 20)
	Contact instructor or department for details.	

ENCH648T **Special Problems in Chemical Engineering; Tissue Engineering**

ENCH648T Special Problems in Chemical Engineering: Tissue Engineering; (3 credits) Grade Method: REG/AUD.
Also offered as BIOE689T.

0101	John Fisher	Seats (Total: 49)
	M 2:00pm - 4:30pm	CHE 2118

ENCH799 **Master's Thesis Research**

ENCH799 Master's Thesis Research; (1-6 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENCH898 **Pre-Candidacy Research**

ENCH898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENCH899 **Doctoral Dissertation Research; Chemical Engineering**

ENCH899 *(PermReq)* **Doctoral Dissertation Research: Chemical Engineering; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENCO Engineering, Cooperative Education — Spring 2009

ENCO099 **Co-Op/Intern Work Experience; Co-op/Intern Work Experience**

ENCO099 *(PermReq)* **Co-Op/Intern Work Experience: Co-op/Intern Work Experience; (No credit)** Grade Method: S-F.
Permission of Co-op Director required. Obtain permission and more information in 1131 College of Engineering. For special fees, see the Financial Information section of the Registration Guide.

0101	Laura Davison	Seats (Total: 200)	
	Contact instructor or department for details.		

ENEE Electrical & Computer Engineering Spring 2009

ENEE114 **Programming Concepts for Engineering**

Official syllabi for all ENEE courses can be found at the following URL: http://www.ece.umd.edu/Academic/Under/uc_idx.html. For additional information on ECE policies and procedures visit the ECE advising website: http://www.ece.umd.edu/Academic/Under/advising.html.
ENEE114 *(PermReq)* **Programming Concepts for Engineering; (4 credits)** Grade Method: REG.
Prerequisite: ENES100. For ENEE majors (09090) only. Restricted to students with 60 or less cumulative semester hours. Principles of software development, high level languages, compiling and linking, pseudo-code, input/output, data types and variables, operators and expressions, conditionals and loops, functions, arrays, pointers, structure data types, memory allocation, introduction to algorithms, software projects, debugging, documentation. Programs will use the C language.

0101	Donald Yeung	Seats (Total: 12)	
	TuTh 11:00am - 12:15pm	EGR 1102	
	MW 9:00am - 9:50am	AVW 2446	Discussion

ENEE132 **Engineering and Modern Medicine**

ENEE132 Engineering and Modern Medicine; (3 credits) Grade Method: REG. CORE Physical Science (PS) Course.
Not open to students with 09090 or 09991 major codes. Credit will be granted for only one of the following: ENEE189W or ENEE132. Formerly ENEE189W. An introduction to the role of electrical and computer engineering in modern medicine for non-majors. Survey of biomedical devices currently being developed or used to diagnose and treat medial conditions. An examination of all aspects of the process of bringing a new product or technology to market, including the roles of government and industry, as well as financial, legal, ethical and social consideration. All technical concepts needed in the course will be introduced at the appropriate time. Click here for more course information.

0101	Romel Gomez TuTh 3:30pm - 4:45pm F 10:00am - 10:50am	Seats (Total: 20) CSI 2107 CSS 0201	 Discussion
0102	Romel Gomez TuTh 3:30pm - 4:45pm F 11:00am - 11:50am	Seats (Total: 20) CSI 2107 CSS 0201	 Discussion

ENEE140 **Introduction to Programming Concepts for Engineers**

ENEE140 *(PermReq)* **Introduction to Programming Concepts for Engineers; (2 credits)** Grade Method: REG.
For 09090 majors only. Prerequisite: permission of department. Introduction to the programming environment: editing, compiling, UNIX, data types and variable scope; program selection, formatted/unformatted input/output, repetition, functions, arrays and strings.

0101	Charles Silio M 12:30pm - 1:45pm TuTh 1:00pm - 1:50pm	Seats (Total: 14) CHE 2118 AVW 1442	 Discussion
0102	Charles Silio M 12:30pm - 1:45pm TuTh 2:00pm - 2:50pm	Seats (Total: 14) CHE 2118 AVW 1442	 Discussion

ENEE150 **Intermediate Programming Concepts for Engineers**

ENEE150 *(PermReq)* **Intermediate Programming Concepts for Engineers; (3 credits)** Grade Method: REG.
For 09090 majors only. Departmental permission requires a score of 5 on the A Java AP exam, or a score of 4 or 5 on the AB Java AP exam, or satisfactory performance on the department's placement exam. Prerequisite: ENEE140 or permission of department. Corequisite: MATH140. Credit will be granted for only one of the following: ENEE114 or ENEE150. Formerly ENEE114. Advanced programming concepts: coding conventions and style; pointers; dynamic memory allocation and data structures; linked lists; graphs; abstract data types; object-oriented design. There will be team-based software projects and group presentations.

0101	Shuvra Bhattacharyya TuTh 11:00am - 12:15pm F 9:00am - 9:50am	Seats (Total: 20) CSS 2324 AVW 1442	Discussion
0102	Shuvra Bhattacharyya TuTh 11:00am - 12:15pm F 10:00am - 10:50am	Seats (Total: 20) CSS 2324 AVW 1442	Discussion
0103	Shuvra Bhattacharyya TuTh 11:00am - 12:15pm F 11:00am - 11:50am	Seats (Total: 20) CSS 2324 AVW 1442	Discussion
0104	Shuvra Bhattacharyya TuTh 11:00am - 12:15pm F 12:00pm - 12:50pm	Seats (Total: 20) CSS 2324 AVW 1442	Discussion

ENEE159B **Introductory Topics in Computer Engineering; Electric Guitar Design**

ENEE159B *(PermReq)* **Introductory Topics in Computer Engineering: Electric Guitar Design; (1 credit)** Grade Method: REG.

0101	Bruce Jacob W 3:00pm - 5:00pm	Seats (Total: 12) AVW 1366	Lab

ENEE159H **Introductin to Parallel Algoritmic Thinking and Its Desktop Computing Context**

ENEE159H Introductin to Parallel Algoritmic Thinking and Its Desktop Computing Context; (3 credits) Grade Method: REG/P-F/AUD. CORE Interdisciplinary & Emerging Issues (IE) Course.

0101	Uzi Vishkin Th 3:30pm - 6:00pm	Seats (Total: 30) CSI 2118	

ENEE159V **Introduction to Parallel Algorithmic Thinking and Its Desktop Computing Context**

ENEE159V Introduction to Parallel Algorithmic Thinking and Its Desktop Computing Context; (3 credits) Grade Method: REG. CORE Interdisciplinary & Emerging Issues (IE) Course.
Prerequisite: Experience in Java or C Programming. Click here for more information.

0101	Uzi Vishkin Th 3:30pm - 6:00pm	Seats (Total: 30) CSI 2118	

ENEE204 **Basic Circuit Theory**

ENEE204 *(PermReq)* **Basic Circuit Theory; (3 credits)** Grade Method: REG. *Prerequisite: PHYS260 and PHYS261 (Formerly: PHYS262). Corequisite: MATH246.* Basic circuit elements: resistors, capacitors, inductors, sources, mutual inductance and transformers; their I-V relationships. Kirchoff's Laws. DC and AC steady state analysis. Phasors, node and mesh analysis, superposition, theorems of Thevenin and Norton. Transient analysis for first- and second-order circuits. Engineering College only.

0101	Thomas Murphy MW 3:30pm - 4:45pm Th 9:00am - 9:50am	Seats (Total: 14) PLS 1130 EGR 3111	Discussion
0102	Thomas Murphy MW 3:30pm - 4:45pm Th 10:00am - 10:50am	Seats (Total: 14) PLS 1130 EGR 1102	Discussion
0103	Thomas Murphy MW 3:30pm - 4:45pm Th 11:00am - 11:50am	Seats (Total: 14) PLS 1130 EGR 3111	Discussion
0104	Thomas Murphy MW 3:30pm - 4:45pm Th 12:00pm - 12:50pm	Seats (Total: 14) PLS 1130 EGR 0108	Discussion

0201	Wesley Lawson TuTh 9:30am - 10:45am F 9:00am - 9:50am	Seats (Total: 14) CSI 3117 JMP 1109	Discussion
0202	Wesley Lawson TuTh 9:30am - 10:45am F 10:00am - 10:50am	Seats (Total: 14) CSI 3117 EGR 3114	Discussion
0203	Wesley Lawson TuTh 9:30am - 10:45am F 11:00am - 11:50am	Seats (Total: 14) CSI 3117 EGR 3102	Discussion
0205	Wesley Lawson TuTh 9:30am - 10:45am F 12:00pm - 12:50pm	Seats (Total: 14) CSI 3117 EGR 1102	Discussion

ENEE206 **Fundamental Electric and Digital Circuit Laboratory**

ENEE206 *(PermReq)* **Fundamental Electric and Digital Circuit Laboratory; (2 credits)** Grade Method: REG.
Prerequisite: ENEE244. Corequisite: ENEE204. For ENEE majors 09090 only. Credit will be granted for only one of the following: ENEE206 or ENEE305. Formerly ENEE305. Introduction to basic measurement techniques and electrical laboratory equipment (power supplies, oscilloscopes, voltmeters, etc.) Design, construction, and characterization of circuits containing passive elements, operational amplifiers, and digital integrated circuits. Transient and steady-state response. This course is a prerequisite to all upper level ENEE laboratories.

0101	Manoj Franklin W 9:00am - 9:50am M 11:00am - 2:00pm	Seats (Total: 12) EGR 1202 AVW 1356	Lab
0102	Manoj Franklin W 9:00am - 9:50am M 2:00pm - 5:00pm	Seats (Total: 12) EGR 1202 AVW 1356	Lab
0103	Manoj Franklin W 9:00am - 9:50am Tu 8:00am - 11:00am	Seats (Total: 12) EGR 1202 AVW 1356	Lab

0104	Manoj Franklin W 9:00am - 9:50am Tu 11:00am - 2:00pm	Seats (Total: 12) EGR 1202 AVW 1356	 Lab
0105	Manoj Franklin W 9:00am - 9:50am Tu 2:00pm - 5:00pm	Seats (Total: 12) EGR 1202 AVW 1356	 Lab
0107	Manoj Franklin W 9:00am - 9:50am W 11:00am - 2:00pm	Seats (Total: 12) EGR 1202 AVW 1356	 Lab
0108	Manoj Franklin W 9:00am - 9:50am W 2:00pm - 5:00pm	Seats (Total: 12) EGR 1202 AVW 1356	 Lab
0110	Manoj Franklin W 9:00am - 9:50am Th 11:00am - 2:00pm	Seats (Total: 12) EGR 1202 AVW 1356	 Lab
0111	Manoj Franklin W 9:00am - 9:50am Th 2:00pm - 5:00pm	Seats (Total: 12) EGR 1202 AVW 1356	 Lab

ENEE241 **Numerical Techniques in Engineering**

ENEE241 *(PermReq)* **Numerical Techniques in Engineering; (3 credits)** Grade Method: REG.
Prerequisite: MATH141; and {ENEE114 or CMSC106 or equivalent} Restricted to Engineering, Math and Physics majors only. Also offered as MATH 242. Credit will be granted for only one of the following: ENES240 or ENEE241 or MATH242. Formerly ENES240. Introduction to error analysis, conditioning and stability of algorithms. Numerical solution of nonlinear equations. Vector spaces and linear transformations. Matrix algebra. Gaussian elimination. LU factorization, matrix inversion. Similarity transformations and diagonalization. Iterative computation of eigenvalues. Interpolation; splines; data fitting. Numerical integration.

0101	Gilmer Blankenship MW 2:00pm - 3:15pm Tu 9:00am - 9:50am	Seats (Total: 23) PLS 1140 AVW 1442	 Discussion

0102	Gilmer Blankenship MW 2:00pm - 3:15pm Tu 10:00am - 10:50am	Seats (Total: 25) PLS 1140 AVW 1442	Discussion
0201	Adrianos Papamarcou TuTh 12:30pm - 1:45pm W 10:00am - 10:50am	Seats (Total: 28) KEB 1110 KEB 2107	Discussion
0202	Adrianos Papamarcou TuTh 12:30pm - 1:45pm W 11:00am - 11:50am	Seats (Total: 25) KEB 1110 KEB 2107	Discussion

ENEE244 **Digital Logic Design**

ENEE244 *(PermReq)* **Digital Logic Design; (3 credits)** Grade Method: REG.
For 09090 or 09991 majors only. Sophomore standing and permission of department.
The design and analysis of combinational and synchronous sequential systems comprising digital logic gates and flip-flop memory devices; underlying tools such as switching and Boolean algebras and Karnaugh map simplification of gate networks; design and use of decoders, multiplexers, encoders, adders, registers, counters, sequence recognizers, programmable logic arrays (PLAs), read-only memories (ROMS, PROMS), and similar devices. Arbitrary radix conversion. Engineering College only.

0102	Charles Silio MW 11:00am - 12:15pm Tu 10:00am - 10:50am	Seats (Total: 24) CHE 2110 MTH 0411	Discussion
0104	Charles Silio MW 11:00am - 12:15pm Tu 11:00am - 11:50am	Seats (Total: 24) CHE 2110 EGR 3114	Discussion
0201	Kazuo Nakajima TuTh 3:30pm - 4:45pm W 10:00am - 10:50am	Seats (Total: 24) EGR 1202 EGR 3114	Discussion
0202	Kazuo Nakajima TuTh 3:30pm - 4:45pm W 11:00am - 11:50am	Seats (Total: 24) EGR 1202 EGR 0135	Discussion

0204	Kazuo Nakajima TuTh 3:30pm - 4:45pm W 12:00pm - 12:50pm	Seats (Total: 24) EGR 1202 EGR 2116	 Discussion

ENEE303 **Analog and Digital Electronics**

Students must complete all 200-level ENEE courses (or be currently registered in them) before permission will be granted to register for 300- or 400-level ENEE courses.

ENEE303 *(PermReq)* **Analog and Digital Electronics; (3 credits)** Grade Method: REG.

Prerequisite: A grade of C or higher in ENEE204 and all other 200-level ENEE courses. Corequisite: ENEE307. For ENEE and ENCP majors only and permission of department. Not open to students who have completed ENEE302 or ENEE312. Credit will be granted for only one of the following: ENEE302 or ENEE303. Conceptual operation of transistors and diodes. Large and small signal operation of BJTs and MOSFETs. Basic transistor configurations. Logic circuits and semiconductor memory. Multi-transistor circuits including differential amplifiers and current mirrors. Frequency response.

0101	Manoj Franklin MW 11:00am - 12:15pm F 9:00am - 9:50am	Seats (Total: 24) JMP 3201 EGR 3114	 Discussion
0102	Manoj Franklin MW 11:00am - 12:15pm F 10:00am - 10:50am	Seats (Total: 24) JMP 3201 EGR 1102	 Discussion
0201	Martin Peckerar TuTh 11:00am - 12:15pm M 10:00am - 10:50am	Seats (Total: 20) EGR 3106 EGR 3102	 Discussion
0202	Martin Peckerar TuTh 11:00am - 12:15pm M 11:00am - 11:50am	Seats (Total: 20) EGR 3106 EGR 3102	 Discussion

ENEE303H **Analog and Digital Electronics**

ENEE303H *(PermReq)* **Analog and Digital Electronics; (3 credits)** Grade Method: REG.

Prerequisite: A grade of C or higher in ENEE204 and all other 200-level ENEE courses. Corequisite: ENEE307. For ENEE and ENCP majors only and permission of department. Not open to students who have completed ENEE302 or ENEE312. Credit will be granted for only one of the following: ENEE302 or ENEE303.

0101	Robert Newcomb TuTh 11:00am - 12:15pm M 10:00am - 10:50am	Seats (Total: 15) EGR 1110 EGR 3111	Discussion

ENEE307 **Electronic Circuits Design Laboratory**

ENEE307 *(PermReq)* **Electronic Circuits Design Laboratory; (2 credits)** Grade Method: REG.

Prerequisite: A grade of C or higher in ENEE204 and all other 200-level ENEE courses. Corequisite: ENEE303. For ENEE and ENCP majors only and permission of department. Not open to students who have completed ENEE306. Credit will be granted for only one of the following: ENEE306 and ENEE307. Students will design and test analog and digital circuits at the transistor level. FETs and BJTs will be covered. The laboratory experiments will be tightly coordinated with ENEE303 lectures.

0102	Martin Peckerar M 9:00am - 9:50am M 2:00pm - 5:00pm	Seats (Total: 12) EGR 1202 AVW 1330	Lab
0104	Martin Peckerar M 9:00am - 9:50am Tu 11:00am - 2:00pm	Seats (Total: 12) EGR 1202 AVW 1330	Lab
0105	Martin Peckerar M 9:00am - 9:50am Tu 2:00pm - 5:00pm	Seats (Total: 12) EGR 1202 AVW 1330	Lab
0106	Martin Peckerar M 9:00am - 9:50am W 8:00am - 11:00am	Seats (Total: 12) EGR 1202 AVW 1330	Lab

0108	Martin Peckerar M 9:00am - 9:50am W 2:00pm - 5:00pm	Seats (Total: 12) EGR 1202 AVW 1330	 Lab
0109	Martin Peckerar M 9:00am - 9:50am Th 8:00am - 11:00am	Seats (Total: 12) EGR 1202 AVW 1330	 Lab
0111	Martin Peckerar M 9:00am - 9:50am Th 2:00pm - 5:00pm	Seats (Total: 12) EGR 1202 AVW 1330	 Lab

ENEE313 **Introduction to Device Physics**

ENEE313 *(PermReq)* **Introduction to Device Physics; (3 credits)** Grade Method: REG.
Prerequisite: A grade of "C" (2.0) or higher in ENEE204 and all other 200-level courses. For ENEE and ENCP majors only and permission of department. Credit will be granted for only one of the following: ENEE312 or ENEE313. Basic physics of devices including fields in solids, crystal structure, properties of electrons and holes. Current flow in Si using drift-diffusion model. Properties of the pn junction. Properties of devices including BJTs, FETs and their physical characteristics.

0101	Zeynep Dilli MW 11:00am - 12:15pm Th 11:00am - 11:50am	Seats (Total: 24) CSS 2324 EGR 3114	 Discussion
0102	Zeynep Dilli MW 11:00am - 12:15pm Th 12:00pm - 12:50pm	Seats (Total: 24) CSS 2324 EGR 0135	 Discussion
0201	Neil Goldsman TuTh 2:00pm - 3:15pm M 10:00am - 10:50am	Seats (Total: 24) EGR 2107 EGR 1102	 Discussion
0202	Neil Goldsman TuTh 2:00pm - 3:15pm M 11:00am - 11:50am	Seats (Total: 24) EGR 2107 EGR 0135	 Discussion

ENEE322 **Signal and System Theory**

ENEE322 *(PermReq)* **Signal and System Theory; (3 credits)** Grade Method: REG. *Prerequisite: ENEE204 and MATH246 and completion of all lower-division technical courses in the curriculum. See above note. For ENEE majors only.* Concept of linear systems, state space equations for continuous systems, time and frequency domain analysis of signals and linear systems. Fourier, Laplace and Z transforms. Application of theory to problems in electrical engineering.

0101	Richard La MW 12:30pm - 1:45pm Tu 9:00am - 9:50am	Seats (Total: 24) CHE 2136 PHY 0405	 Discussion
0102	Richard La MW 12:30pm - 1:45pm Tu 10:00am - 10:50am	Seats (Total: 24) CHE 2136 JMP 1109	 Discussion
0201	Alexander Barg TuTh 2:00pm - 3:15pm W 9:00am - 9:50am	Seats (Total: 24) CHE 2108 EGR 1102	 Discussion
0202	Alexander Barg TuTh 2:00pm - 3:15pm W 10:00am - 10:50am	Seats (Total: 24) CHE 2108 EGR 3102	 Discussion

ENEE324 **Engineering Probability**

ENEE324 *(PermReq)* **Engineering Probability; (3 credits)** Grade Method: REG. *Prerequisite: ENEE322 and completion of all lower-division technical courses in the EE curriculum. See above note. Electrical Engineering and Computer Engineering majors may not substitute STAT400 for ENEE324. Credit will be granted for only one of the following: BMGT231, STAT400, or ENEE324. These courses are not interchangeable, consult your program requirements or advisor for what is acceptable toward your program of study.* Axioms of probability; conditional probability and Bayes' rules; random variables, probability distribution and densities: functions of random variables: weak law of large numbers and central limit theorem. Introduction to random processes; correlation functions, spectral densities, and linear systems. Applications to noise in electrical systems, filtering of signals from noise, estimation, and digital communications. ENEE majors (09090) only.

0101	Ramalingam Chellappa MW 12:30pm - 1:45pm F 9:00am - 9:50am	Seats (Total: 24) EGR 1108 EGL 1204	 Discussion
0102	Ramalingam Chellappa MW 12:30pm - 1:45pm F 10:00am - 10:50am	Seats (Total: 24) EGR 1108 JMP 2202	 Discussion
0201	Joseph JaJa TuTh 3:30pm - 4:45pm W 9:00am - 9:50am	Seats (Total: 24) EGR 2107 EGR 3114	 Discussion
0202	Joseph JaJa TuTh 3:30pm - 4:45pm W 10:00am - 10:50am	Seats (Total: 24) EGR 2107 EGR 1102	 Discussion

ENEE324H **Engineering Probability**

ENEE324H *(PermReq)* **Engineering Probability; (3 credits)** Grade Method: REG. *Prerequisite: ENEE322 and completion of all lower-division technical courses in the EE curriculum. See above note. Electrical Engineering and Computer Engineering majors may not substitute STAT400 for ENEE324. Credit will be granted for only one of the following: BMGT231, STAT400, or ENEE324. These courses are not interchangeable, consult your program requirements or advisor for what is acceptable toward your program of study.*

0101	Nuno Martins TuTh 2:00pm - 3:15pm M 1:00pm - 1:50pm	Seats (Total: 16) EGR 3114 EGR 2116	 Discussion

ENEE350 **Computer Organization**

ENEE350 *(PermReq)* **Computer Organization; (3 credits)** Grade Method: REG. *Prerequisite: ENEE244 and completion of all lower-division technical courses in the EE curriculum. See above note. For 09090 and 09991 majors only. Electrical Engineering and Computer Engineering majors may not substitute CMSC 311 for ENEE350. Not open to students who have completed ENEE250. Formerly ENEE250.* Structure and organization of digital computers. Registers, memory, control and I/O. Data and instruction formats, addressing modes, assembly language programming. Elements of system software, subroutines and their linkages.

0201	Yavuz Oruc TuTh 12:30pm - 1:45pm W 11:00am - 11:50am	Seats (Total: 25) EGR 1202 EGR 3102	Discussion
0202	Yavuz Oruc TuTh 12:30pm - 1:45pm W 1:00pm - 1:50pm	Seats (Total: 24) EGR 1202 EGR 3102	Discussion
0203	Yavuz Oruc TuTh 12:30pm - 1:45pm W 1:00pm - 1:50pm	Seats (Total: 24) EGR 1202 EGR 2116	Discussion

ENEE380 **Electromagnetic Theory**

ENEE380 *(PermReq)* **Electromagnetic Theory; (3 credits)** Grade Method: REG. *Prerequisites: MATH241,(PHYS270 and 271 {Former PHYS263}) and completion of all lower-division technical courses in the EE curriculum. See above note.* Introduction to electromagnetic fields. Coulomb's law, Gauss's law, electrical potential, dielectric materials capacitance, boundary value problems, Biot-Savart law, Ampere's law, Lorentz force equation, magnetic materials, magnetic circuits, inductance, time varying fields and Maxwell's equations. ENEE majors (09090) only.

0101	Christopher Davis MW 2:00pm - 3:15pm Tu 11:00am - 11:50am	Seats (Total: 24) KEB 1110 EGR 0135	Discussion
0102	Christopher Davis MW 2:00pm - 3:15pm Tu 1:00pm - 1:50pm	Seats (Total: 24) KEB 1110 EGL 1204	Discussion
0201	Edward Ott TuTh 3:30pm - 4:45pm F 12:00pm - 12:50pm	Seats (Total: 21) CHE 2136 EGR 3102	Discussion
0202	Edward Ott TuTh 3:30pm - 4:45pm F 1:00pm - 1:50pm	Seats (Total: 21) CHE 2136 EGR 3102	Discussion

ENEE381 **Electromagnetic Wave Propagation**

ENEE381 *(PermReq)* **Electromagnetic Wave Propagation; (3 credits)** Grade Method: REG.
Prerequisite: ENEE380 and completion of all lower-division technical courses in the EE curriculum. See above note. For ENEE majors only. The electromagnetic spectrum: Review of Maxwell's equations; the wave equation potentials, Poynting's theorem, relationship between circuit theory and fields; propagation of electromagnetic waves in homogeneous media and at interfaces; transmission line theory, waveguides, radiation and antennas.

0101	Victor Granatstein MW 2:00pm - 3:15pm Tu 11:00am - 11:50am	Seats (Total: 24) EGR 2107 CHE 2118	 Discussion
0102	Victor Granatstein MW 2:00pm - 3:15pm Tu 1:00pm - 1:50pm	Seats (Total: 24) EGR 2107 PHY 4208	 Discussion
0201	Ping-Tong Ho TuTh 9:30am - 10:45am M 12:00pm - 12:50pm	Seats (Total: 24) CSI 1121 EGR 3114	 Discussion
0202	Ping-Tong Ho TuTh 9:30am - 10:45am M 1:00pm - 1:50pm	Seats (Total: 24) CSI 1121 MTH 0201	 Discussion

ENEE381H **Electromagnetic Wave Propagation**

ENEE381H *(PermReq)* **Electromagnetic Wave Propagation; (3 credits)** Grade Method: REG.
Prerequisite: ENEE380 and completion of all lower-division technical courses in the EE curriculum. See above note. For ENEE majors only.

0101	Christopher Davis MW 11:00am - 12:15pm F 12:00pm - 12:50pm	Seats (Total: 18) EGR 1110 EGR 1110	 Discussion

ENEE408A **Capstone Design Project; Microprocessor Based Design**

ENEE408A *(PermReq)* **Capstone Design Project: Microprocessor Based Design; (3 credits)** Grade Method: REG.
Restricted to ENEE and ENCP students. Prerequisite: ENEE440. For more information go to http://www.ece.umd.edu/Academic/Under/uc_idx.html.

0101	William Hawkins	Seats (Total: 15)	
	Th 8:00am - 9:15am	CSI 2118	
	TBA	AVW 1454	Lab

ENEE408C **Capstone Design Project: Modern Digital System Design**

ENEE408C *(PermReq)* **Capstone Design Project: Modern Digital System Design; (3 credits)** Grade Method: REG. CORE Capstone (CS) Course.
Prerequisite: ENEE350. Click here for more course information.

0101	Kazuo Nakajima	Seats (Total: 15)	
	W 5:00pm - 6:15pm	AVW 2446	
	Tu 5:00pm - 8:00pm	AVW 2446	Lab

ENEE408D **Capstone Design Project: Mixed Signal VLSI Design**

ENEE408D *(PermReq)* **Capstone Design Project: Mixed Signal VLSI Design; (3 credits)** Grade Method: REG. CORE Capstone (CS) Course.
Restricted to ENEE and ENCP students. Prerequisite: ENEE302, ENEE306, ENEE 313 OR ENEE303, ENEE307 OR ENEE313. For more information go to: http://www.ece.umd.edu/Academic/Under/uc_idx.html

0101	Pamela Abshire	Seats (Total: 20)	
	MW 2:00pm - 3:15pm	AVW 2446	
	F 2:00pm - 2:50pm	AVW 2446	Discussion

ENEE408G **Capstone Design Project: Multimedia Signal Processing**

ENEE408G *(PermReq)* **Capstone Design Project: Multimedia Signal Processing; (3 credits)** Grade Method: REG. CORE Capstone (CS) Course.
Prerequisites: ENEE420 or 425. For more course information, visit http://www.ece.umd.edu/Academic/Under/uc_idx.html

0101	Shihab Shamma	Seats (Total: 11)	
	M 11:00am - 12:15pm	KEB 2107	
	W 2:00pm - 5:00pm	KEB 2107	Lab
0102	Shihab Shamma	Seats (Total: 11)	
	M 11:00am - 12:15pm	KEB 2107	
	F 10:00am - 1:00pm	KEB 2107	Lab

ENEE408I **Capstone Design Project; Controls**

ENEE408I *(PermReq)* **Capstone Design Project: Controls; (3 credits)** Grade Method: REG.
Prerequisite: ENEE114, ENEE322, and modest programming experience. Click here for more ENEE course information.

0101	Gilmer Blankenship	Seats (Total: 12)	
	W 9:30am - 10:20am	CHE 2118	
	W 11:00am - 2:00pm	KEB 3209	Lab
0102	Gilmer Blankenship	Seats (Total: 12)	
	W 9:30am - 10:20am	CHE 2118	
	F 10:00am - 1:00pm	KEB 3209	Lab

ENEE408J **Capstone Design Project:Filter Design**

ENEE408J *(PermReq)* **Capstone Design Project:Filter Design; (3 credits)** Grade Method: REG. CORE Capstone (CS) Course.
Prerequisites: ENEE 303, ENEE 322 and ENEE 380. For more course information, visit http://www.ece.umd.edu/Aca demic/Under/uc_idx.html

0101	Ping-Tong Ho	Seats (Total: 20)	
	TuTh 11:00am - 12:15pm	KEB 2107	

ENEE416 **Integrated Circuit Fabrication Laboratory**

ENEE416 *(PermReq)* **Integrated Circuit Fabrication Laboratory; (3 credits)** Grade Method: REG.
Prerequisite: ENEE302 and completion of all lower-division technical courses in the EE curriculum. For 09090 and 09991 majors only. Not open to students who have completed ENEE419J. Formerly ENEE419J. Characterization of wafers and fabrication steps. Oxide growth, lithography, dopant diffusion, and metal deposition and patterning will be discussed in the lectures and carried out in the lab in fabricating NMOS transistor circuits. The transistor characteristics will be measured and related to the fabrication parameters.

0101	Agisilaos Iliadis Tu 2:00pm - 2:50pm M 12:30pm - 3:30pm	Seats (Total: 5) EGR 1108 KEB 2300	 Lab
0102	Agisilaos Iliadis Tu 2:00pm - 2:50pm W 9:00am - 12:00pm	Seats (Total: 5) EGR 1108 KEB 2300	 Lab
0103	Agisilaos Iliadis Tu 2:00pm - 2:50pm W 12:30pm - 3:30pm	Seats (Total: 5) EGR 1108 KEB 2300	 Lab
0104	Agisilaos Iliadis Tu 2:00pm - 2:50pm Th 9:00am - 12:00pm	Seats (Total: 5) EGR 1108 KEB 2300	 Lab

ENEE417 **Microelectronics Design Laboratory**

ENEE417 *(PermReq)* **Microelectronics Design Laboratory; (2 credits)** Grade Method: REG.
Prerequisite: ENEE306 and ENEE312 and completion of all lower-division technical courses in the curriculum. For ENEE majors only. Senior capstone project laboratory, where student design and build fairly sophisticated circuits, mainly composed of discrete transistors and integrated circuits. Many of the projects are designed to require that students synthesize from what they have learned in many of the disciplines in electrical engineering. Students learn they can actually use their knowledge to build something very practical, which may include a high-fidelity amplifier, a radio, a memory cell, a transmitter, etc.

0102	Robert Newcomb	Seats (Total: 8)	
	M 12:30pm - 1:45pm	AVW 1334	
	Th 2:00pm - 5:00pm	AVW 1334	Lab
0103	Robert Newcomb	Seats (Total: 8)	
	M 12:30pm - 1:45pm	AVW 1334	
	F 1:00pm - 4:00pm	AVW 1334	Lab

ENEE420 **Communication Systems**

ENEE420 *(PermReq)* **Communication Systems; (3 credits)** Grade Method: REG. *Prerequisite: ENEE324 and completion of all lower-division technical courses in the EE curriculum. See above note.* Fourier series, Fourier transforms and linear system analysis; random signals, autocorrelation functions and power spectral densities; analog communication systems: amplitude modulation, single-sideband modulation, frequency and phase modulation, sampling theorem and pulse-amplitude modulation; digital communication systems pulse-code modulation, phase-shift keying, differential phase shift keying, frequency shift keying; performance of analog and digital communication systems in the presence of noise. ENEE majors (09090) only.

0101	Steven Tretter	Seats (Total: 25)	
	TuTh 11:00am - 12:15pm	EGR 3102	

ENEE425 **Digital Signal Processing**

ENEE425 *(PermReq)* **Digital Signal Processing; (3 credits)** Grade Method: REG. *Prerequisite: ENEE322 and completion of all lower-division technical courses in the EE curriculum. See above note.* Sampling as a modulation process; aliasing; the sampling theorem; the Z-transform and discrete-time system analysis; direct and computer-aided design of recursive and nonrecursive digital filters; the Discrete Fourier Transform (DFT) and Fast Fourier Transform (FFT); digital filtering using the FFT; analog-to-digital and digital-to analog conversion; effects of quantization and finite-word-length arithmetic. ENEE majors (09090) only.

0101	Sheldon Wolk	Seats (Total: 40)	
	TuTh 3:30pm - 4:45pm	EGR 0135	

ENEE426 **Communication Networks**

ENEE426 *(PermReq)* **Communication Networks; (3 credits)** Grade Method: REG.
Prerequisite: ENEE324 and completion of all lower-division technical courses in the EE curriculum. Restricted to students with a 09090 major code. See above note. The main design issues associated with computer networks, satellite systems, radio nets, and general communication networks. Application of analytical tools of queuing theory to design problems in such networks. Review of proposed architectures and protocols. ENEE majors (09090) only.

0101	Thomas Clancy	Seats (Total: 35)	
	MW 3:30pm - 4:45pm	CHM 1224	

ENEE434 **Introduction to Neural Networks and Signals**

ENEE434 *(PermReq)* **Introduction to Neural Networks and Signals; (3 credits)** Grade Method: REG.
Prerequisite: ENEE204 and completion of all lower-division technical courses in the EE curriculum. See above note. Introduction to the generation and processing of bioelectric signals including structure and function of the neuron, membrane theory, generation and propagation of nerve impulses, synaptic mechanisms, transduction and neural coding of sensory events, central nervous system processing of sensory information and correlated electrical signals, control of effector organs, muscle contraction and mechanics, and models of neurons and neural networks. ENEE majors (09090) only.

0101	Nicholas De Claris	Seats (Total: 20)	
	MW 2:00pm - 3:15pm	CSI 3118	
	W 3:30pm - 4:20pm	AVW 1363	Discussion

ENEE440 **Microprocessors**

ENEE440 *(PermReq)* **Microprocessors; (3 credits)** Grade Method: REG.
Prerequisite: ENEE350 and completion of all lower-division technical courses in the EE curriculum. See above note. For 09090 and 09991 majors only. Microprocessor architectures, instruction sets, and applications. Bus structures, memory, I/O interfacing. Assembly language programming, LSI device configuration, and the embedding of microprocessors in systems.

0101	William Hawkins	Seats (Total: 35)	
	TuTh 12:30pm - 1:45pm	JMP 1109	

ENEE445 **Computer Laboratory**

ENEE445 *(PermReq)* **Computer Laboratory; (2 credits)** Grade Method: REG. *Prerequisites: ENEE206 and ENEE350; and completion of all lower-division technical courses in the EE curriculum. For 09090 and 09991 majors only.* This laboratory course focuses on the hardware/software interface in computer systems. Hand-on experiments are used to teach design, construction, analysis, and measurement of both hardware and software for embedded systems. Projects emphasize using microcontrollers for control, sensing, and communication through various I/O devices.

0101	William Hawkins	Seats (Total: 12)	
	Tu 9:30am - 10:20am	EGR 3111	
	Th 8:00am - 11:00am	AVW 1454	Lab

ENEE446 **Digital Computer Design**

ENEE446 *(PermReq)* **Digital Computer Design; (3 credits)** Grade Method: REG. *Prerequisite: ENEE350 and completion of all lower-division technical courses in the EE curriculum. See above note.* Hardware design of digital computers. Arithmetic and logic units, adders, multipliers and dividers. Floating-point arithmetic units. Bus and register structures. Control units, both hardwired and microprogrammed. Index registers, stacks, and other addressing schemes. Interrupts, DMA and interfacing. ENEE majors (09090) only.

0101	Rajeev Barua	Seats (Total: 40)
	MW 11:00am - 12:15pm	EGR 1104
0201	Yavuz Oruc	Seats (Total: 30)
	TuTh 3:30pm - 4:45pm	EGR 3106

ENEE459A **Topics in Computer Engineering; Computer Aided Design Tools for Microprocessor Design**

ENEE459A *(PermReq)* **Topics in Computer Engineering: Computer Aided Design Tools for Microprocessor Design; (1 credit)** Grade Method: REG. Prerequisite: ENEE244. For more course information, visit http://www.ece.umd.edu/Academic/Under/uc_idx.html

0101	William Hawkins	Seats (Total: 15)
	Tu 8:25am - 9:15am	EGR 1108

ENEE459J **Topics in Computer Engineering; Consumer Electronics**

ENEE459J *(PermReq)* **Topics in Computer Engineering: Consumer Electronics; (3 credits)** Grade Method: REG.
Department Permission Required Click here for more information.

0101	Bruce Jacob	Seats (Total: 15)	
	F 11:00am - 12:15pm	CSI 3118	
	W 3:00pm - 5:00pm	AVW 1422	Lab

ENEE459K **Topics in Computer Engineering; Hardware FPGA Design Using Verilog**

ENEE459K *(PermReq)* **Topics in Computer Engineering: Hardware FPGA Design Using Verilog; (3 credits)** Grade Method: REG.
Prerequisite: ENEE350 or {ENEE244 and permission of instructor}. Click here for more information.

0101	Kazuo Nakajima	Seats (Total: 15)	
	Tu 9:00am - 10:50am	AVW 2446	
	Th 9:00am - 11:00am	AVW 2446	Lab

ENEE461 **Control Systems Laboratory**

ENEE461 *(PermReq)* **Control Systems Laboratory; (2 credits)** Grade Method: REG.
Prerequisite: A grade of C or higher in ENEE206 and ENEE322. Completion of all lower-division technical courses in the EE curriculum. Restricted to students with a 09090 or 09991 major code. See above note. Credit will be granted for only one of the following: ENEE461, ENME461, or ENME489N. Students will design, implement, and test controllers for a variety of systems. This will enhance their understanding of feedback control and familiarize them with the characteristics and limitations of real control devices. They will also complete a small project. This will entail writing a proposal, purchasing parts for their controller, building the system, testing it, and writing a final report describing what they have done. Department Permission Required.

0101	William Levine	Seats (Total: 12)	
	TuTh 9:30am - 10:20am	EGR 2154	
	Tu 10:30am - 1:30pm	KEB 3209	Lab

0102	William Levine	Seats (Total: 12)	
	TuTh 9:30am - 10:20am	EGR 2154	
	Tu 2:00pm - 5:00pm	KEB 3209	Lab

ENEE469A **Topics in Controls; On Modeling and Controller Design**

ENEE469A *(PermReq)* **Topics in Controls: On Modeling and Controller Design; (3 credits)** Grade Method: REG.
Prerequisite: ENEE322 and permission of department. Click here for more information.

0101	Andre Tits	Seats (Total: 30)
	MW 2:00pm - 3:15pm	EGR 2116

ENEE473 **Electrical Machines Laboratory**

ENEE473 *(PermReq)* **Electrical Machines Laboratory; (2 credits)** Grade Method: REG.
Prerequisite: ENEE206 and completion of all lower-division technical courses in the EE curriculum. Restricted to students with a 09090 major code. See above note.
Experiments involving single and three phase transformers, induction machines, synchronous machines and D.C. machines.

0101	Patrick McAvoy	Seats (Total: 12)	
	F 1:00pm - 1:50pm	EGR 3111	
	F 2:00pm - 5:00pm	AVW 1360	Lab

ENEE475 **Power Electronics**

ENEE475 *(PermReq)* **Power Electronics; (3 credits)** Grade Method: REG.
Prerequisite: ENEE302 and completion of all lower-division technical courses in the EE curriculum. See above note. For ENEE majors only. This course is suitable for undergraduate and graduate students who want to learn the basic principles of power electronics and its applications. Special emphasis is placed on interdisciplinary nature of power electronics. Strong and intimate connections between power electronics and circuit theory, electronic circuits, semiconductor devices, electric power, magnetic, motor drives and control are stressed.

0101	Isaak Mayergoyz TuTh 2:00pm - 3:15pm	Seats (Total: 40) CSI 2107

ENEE488 **Independent Study in Electrical and Computer Engineering**

ENEE488 *(PermReq)* **Independent Study in Electrical and Computer Engineering; (1-3 credits)** Grade Method: REG/P-F/AUD.

1801	Robert Newcomb Contact instructor or department for details.	Seats (Total: 3)
7001	Wesley Lawson Contact instructor or department for details.	Seats (Total: 2)

ENEE496 **Lasers and Electro-optic Devices**

ENEE496 *(PermReq)* **Lasers and Electro-optic Devices; (3 credits)** Grade Method: REG.
Prerequisite: Completion of all lower-division technical courses in the EE curriculum. Corequisite: ENEE381 For 09090 and 09991 majors only. Modern physical optics: Gaussian beams, optical resonators, optical waveguides; theory of laser oscillation, rate equations; common laser systems. Selected modern optoelectronic devices like detectors and modulators. Role of lasers and optoelectronics in modern technology.

0101	Mario Dagenais MW 3:30pm - 4:45pm	Seats (Total: 20) CHE 2116

ENEE498C **Topics in Electrical Engineering; Capstone II: Advance Design**

ENEE498C *(PermReq)* **Topics in Electrical Engineering: Capstone II: Advance Design; (3 credits)** Grade Method: REG.

0101	Christopher Davis Contact instructor or department for details.	Seats (Total: 20)

ENEE499 **Senior Projects in Electrical and Computer Engineering**

ENEE499 *(PermReq)* **Senior Projects in Electrical and Computer Engineering; (1-5 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.
ENEE majors (09090) only.

Contact department for information to register for this course.

ENEE499L **Senior Projects in Electrical and Computer Engineering**

ENEE499L *(PermReq)* **Senior Projects in Electrical and Computer Engineering; (1-5 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENEE499R **Senior Projects in Electrical and Computer Engineering**

ENEE499R *(PermReq)* **Senior Projects in Electrical and Computer Engineering; (1-3 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENEE499T **Senior Projects in Electrical and Computer Engineering; Undergraduate Teaching Experience**
Contact department for information to register for this course.

ENEE601 **Semiconductor Devices and Technology**

ENEE601 Semiconductor Devices and Technology; (3 credits) Grade Method: REG/AUD.
Recommended: ENEE 600 (formerly: ENEE 793), ENEE 480 or equivalent. Credit will be granted for only one of the following: ENEE 601 or ENEE 697. Formerly ENEE697.
The principles, structures and characteristics of semiconductor devices. Technology and fabrication of semiconductor devices.

0101	Agisilaos Iliadis	Seats (Total: 40)
	TuTh 9:30am - 10:45am	JMP 3216

ENEE611 **Integrated Circuit Design and Analysis**

ENEE611 Integrated Circuit Design and Analysis; (3 credits) Grade Method: REG/AUD.
Recommended: ENEE 610. Credit will be granted for only one of the following: ENEE 611 or ENEE 696. Formerly ENEE696. Active and passive elements used in semiconductor structures. Design application of linear and digital integrated circuits.

0101	Timothy Horiuchi	Seats (Total: 40)	
	MW 12:30pm - 1:45pm	EGR 1104	

ENEE620 **Random Processes in Communication and Control**

ENEE620 Random Processes in Communication and Control; (3 credits) Grade Method: REG/AUD.
Prerequisite: ENEE 324 or equivalent. Introduction to random processes: characterization, classification, representation; Gaussian and other examples. Linear operations on random processes, stationary processes: covariance function and spectral density. Linear least square waveform estimating Wiener-Kolmogroff filtering, Kalman-Bucy recursive filtering: function space characterization, non-linear operations on random processes.

0102	Anthony Ephremides	Seats (Total: 22)	
	MW 3:30pm - 4:45pm	EGR 3106	
	F 11:00am - 11:50am	EGR 2154	Discussion

ENEE621 **Estimation and Detection Theory**

ENEE621 Estimation and Detection Theory; (3 credits) Grade Method: REG/AUD.
Prerequisite: ENEE 620 or equivalent. Also offered as MAPL 644. Estimation of unknown parameters, Cramer-Rao lower bound; optimum (map) demodulation; filtering, amplitude and angle modulation, comparison with conventional systems; statistical decision theory Bayes, minimax, Neyman/Pearson, Criteria-68 simple and composite hypotheses; application to coherent and incoherent signal detection; M-ary hypotheses; application to uncoded and coded digital communication systems.

0101	Prakash Narayan	Seats (Total: 45)	
	MW 5:00pm - 6:15pm	CSI 3118	

ENEE625 **Multi-user Communication**

ENEE625 Multi-user Communication; (3 credits) Grade Method: REG/AUD. *Prerequisite: ENEE 620.* Basic queueing models. Store-and forward communications networks; switching modes; delay-throughput measures; capacity assignment; routing; topological design; computational aspects; flow control; error control; protocols; specification and validation; local networks; satellite and packet radio systems; multiple access schemes; stability and performance; multi-user information theory; and large scale system theory.

0101	Armand Makowski	Seats (Total: 40)
	MW 12:30pm - 1:45pm	CSI 2120

ENEE627 **Information Theory**

ENEE627 Information Theory; (3 credits) Grade Method: REG/AUD. *Prerequisite: ENEE 620. Credit will be granted for only one of the following: ENEE 627 or ENEE 721. Formerly ENEE721.* Information measures and their properties; entropy, relative entropy and mutual information. Information source models. Lossless data compression: the Kraft inequality, Shannon-Fano and Huffman codes. Typical sequences, asymptotic equipartition property, lossy source coding. Discrete memoryless channels: capacity, channel coding theorem. The additive Gaussian channel. Source coding under a fidelity constraint: rate distortion function and rate distortion theorem.

0101	Adrianos Papamarcou	Seats (Total: 32)
	TuTh 3:30pm - 4:45pm	CSI 1121

ENEE631 **Digital Imaging Processing**

ENEE631 Digital Imaging Processing; (3 credits) Grade Method: REG/AUD. *Corequisite: ENEE 620 or ENEE 624 or permission of instructor. Not open to ALL students who have completed ENEE 729Z.* Fundamental topics in Image Processing. Topics include 2-D systems and transforms, image acquisition, sampling and quantization, linear and non-linear techniques for image enhancement, restoration and image compression, including transform, differential pulse code modulation, vector quantization, wavelet, subband coding, still and video compression coding standards.

0101	Min Wu	Seats (Total: 40)
	MW 11:00am - 12:15pm	CSI 2120

ENEE634 **Space-Time Signal Process**

ENEE634 Space-Time Signal Process; (3 credits) Grade Method: REG/AUD. *Prerequisite: ENEE 620 and ENEE 630. Credit will be granted for only one of the following: ENEE 634 or ENEE 724. Formerly ENEE724.* Space-time processing aspects of signal processing with applications to wireless communications are considered, including fast algorithms, numerical computation, adaptive beamforming, direction of arrivals estimation, array processing, adaptive algorithms (least means square algorithms and recursive least means square algorithms), channel equalization, blind equalization and identification, and space-time coding, modulation, and MIMO communications and signal processing.

0101	KJ Ray Liu	Seats (Total: 25)
	MW 2:00pm - 3:15pm	EGR 1102

ENEE644 **Computer-Aided Design of Digital Systems**

ENEE644 Computer-Aided Design of Digital Systems; (3 credits) Grade Method: REG/AUD.
Prerequisite: ENEE 449. Design methodologies for digital systems using a modern hardware description language. Algorithmic, architectural and implementation aspects of arithmetic processing elements. Design of Complex Instruction Set (CISC), Reduced Instruction Set (RISC), and floating point processors. Synthesis, simulation and testing of processors with computer-aided design tools. Students in some sections may, on permission, fabricate VLSI chips via MOSIS.

0101	Ankur Srivastava	Seats (Total: 45)
	MW 2:00pm - 3:15pm	CSI 2120

ENEE647 **Design of Distributed Computer Systems**

ENEE647 Design of Distributed Computer Systems; (3 credits) Grade Method: REG/AUD.
Prerequisite: ENEE 488S (Operating Systems) or equivalent. Communication protocols, models of interprocess communication and synchronization in distributed operating systems, interprocess synchronization and communication primitives; remote procedure call protocols; electronic mail and store-and-forward communication; deadlock handling in distributed systems; processes and transactions in distributed systems; client servers models of computation; distributed shared memory; distributed file systems; recovery and fault-tolerance; protection and communication security.

0101	Peter Petrov	Seats (Total: 35)
	TuTh 5:00pm - 6:15pm	EGR 0108

ENEE661 **Nonlinear Control Systems**

ENEE661 Nonlinear Control Systems; (3 credits) Grade Method: REG/AUD.
Prerequisite: ENEE660; MATH410 or MATH411 or equivalent; or permission of instructor. State space methods of stability analysis including second order systems and the phase plane, linearization and stability in the small, stability in the large and Lyapunov's second method. Frequency domain methods including the describing function. Popov's method and functional analytic methods. Introduction to Volterra series representations of nonlinear systems. Applications to conrol system design.

0101	John Baras	Seats (Total: 20)
	TuTh 2:00pm - 3:15pm	CSI 2118

ENEE664 **Optimal Control**

ENEE664 Optimal Control; (3 credits) Grade Method: REG/AUD.
Prerequisite: MATH410 and ENEE660 or equivalent, or permission of instructor. Corequisite: MATH411 or permission of instructor. General optimization and control problems. Conditions of optimality for unconstrained and constrained optimization problems; sensitivity; duality. Introduction to linear and nonlinear programming methods. Dynamic optimization. Discrete time maximum principle and applications. Pontryagin maximum principle in continuous time. Dynamic programming. Feedback realization of optimal control.

0101	Perinkulam Krishnaprasad	Seats (Total: 40)
	TuTh 12:30pm - 1:45pm	CSI 2120

ENEE681 **Electromagnetic Theory II**

ENEE681 Electromagnetic Theory II; (3 credits) Grade Method: REG/AUD. *Prerequisite: ENEE 381 or equivalent.* Continuation of ENEE 680. Theoretical analysis and engineering applications of Maxwell's equations. The homogeneous wave equation. Plane wave propagation. The interaction of plane waves and material media. Retarded potentials. The Hertz potential. Simple radiating systems. Relativisitic covariance of Maxwell's equations.

0101	Howard Milchberg	Seats (Total: 35)
	TuTh 11:00am - 12:15pm	JMP 2202

ENEE691 **Optical Communication Systems**

ENEE691 Optical Communication Systems; (3 credits) Grade Method: REG/AUD. Optical components and systems. Measures of performance of optical communication systems. Topics include: single and multi-mode optical fibers, DFB and DBR lasers, transmitters and receivers, pin and APD detectors, noise analysis, receiver sensitivity modulation formats, system performance, bit-error-rate, power budget, TDM and WDM systems, network architecture.

0101	Mario Dagenais	Seats (Total: 45)
	TuTh 2:00pm - 3:15pm	EGR 1104

ENEE698A **Graduate Seminar; Communications**

ENEE698A Graduate Seminar: Communications; (1 credit) Grade Method: REG/AUD/S-F.
Click here for more course information.

0101	KJ Ray Liu	Seats (Total: 30)
	Tu 5:00pm - 6:00pm	CSI 2118

ENEE698B **Graduate Seminar; Computer Engineering**

ENEE698B Graduate Seminar: Computer Engineering; (1-3 credits) Grade Method: REG/AUD.
Restricted to ENEE graduate students only. Click here for more course information.

0101	Kazuo Nakajima	Seats (Total: 20)
	M 4:00pm - 4:50pm	AVW 2328

ENEE698D **Graduate Seminar; Electrophysics**

ENEE698D Graduate Seminar: Electrophysics; (1 credit) Grade Method: REG/AUD.
Restricted to ENEE graduate students only. Click here for more course information.

0101	Romel Gomez	Seats (Total: 55)
	F 3:00pm - 4:00pm	ERF 1207

ENEE698E **Graduate Seminar; Microelectronics**

ENEE698E Graduate Seminar: Microelectronics; (1-3 credits) Grade Method: REG/AUD.
Restricted to ENEE graduate students only. Click here for more course information.

0101	Robert Newcomb	Seats (Total: 30)
	Tu 5:00pm - 6:00pm	AVW 2328

ENEE699 **Independent Studies in Electrical Engineering**

ENEE699 *(PermReq)* **Independent Studies in Electrical Engineering; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENEE719A **Advanced Topics in Microelectronics; Nanostructure Fabrication**

ENEE719A Advanced Topics in Microelectronics: Nanostructure Fabrication; (3 credits) Grade Method: REG/AUD.

0101	John Melngailis	Seats (Total: 36)
	TuTh 3:30pm - 4:45pm	JMP 2202

ENEE719F **Advanced Topics in Microelectronics; Fabrication & Testing of Micro-Electro-Mechanical Systems (MEMS)**

ENEE719F Advanced Topics in Microelectronics: Fabrication & Testing of Micro-Electro-Mechanical Systems (MEMS); (3 credits) Grade Method: REG/AUD.

0101	Reza Ghodssi	Seats (Total: 30)
	MW 3:30pm - 4:45pm	JMP 2202

ENEE759K **Advanced Topics in Computer Engineering; Parallel Algorithms**

ENEE759K Advanced Topics in Computer Engineering: Parallel Algorithms; (3 credits) Grade Method: REG/AUD.
Also offered as CMSC751.

0101	Uzi Vishkin	Seats (Total: 30)
	TuTh 2:00pm - 3:15pm	ITV 1100

ENEE789E **Advanced Topics in Electrophysics; Advanced Topics in Electrophysics: Optical Properties of Thin Films and Nanostructures**

ENEE789E Advanced Topics in Electrophysics: Advanced Topics in Electrophysics: Optical Properties of Thin Films and Nanostructures; (3 credits) Grade Method: REG/AUD.

0101	Kristine Rosfjord	Seats (Total: 25)
	MW 12:30pm - 1:45pm	EGR 1102

ENEE790 **Quantum Electronics I**

ENEE790 Quantum Electronics I; (3 credits) Grade Method: REG/AUD.
Prerequisite: a knowledge of quantum mechanics or permission of instructor.
Spontaneous emission, interaction of radiation and matter, masers, optical resonators, the gas, solid and semi-conductor lasers, electro-optical effect, propagation in anisotropic media and light modulation.

0101	Edo Waks	Seats (Total: 20)
	TuTh 3:30pm - 4:45pm	CSS 2416

ENEE799 **Master's Thesis Research**

ENEE799 *(PermReq)* **Master's Thesis Research; (1-6 credits)** Grade Method: S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENEE889 **Teaching Workshop**

Contact department for information to register for this course.

ENEE898 **Pre-Candidacy Research**

ENEE898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENEE899 **Doctoral Dissertation Research**

ENEE899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENES Engineering Science Spring 2009

ENES100 **Introduction to Engineering Design**

ENES100 *(PermReq)* **Introduction to Engineering Design; (3 credits)** Grade Method: REG/P-F/AUD. CORE Physical Science (PS) Course.
Corequisite: MATH140. Students work as teams to design and build a product using computer software for word-processing, spreadsheet, CAD, and communication skills.

0101	Peter Kofinas MW 10:00am - 11:50am F 11:00am - 11:50am	Seats (Total: 40) JMP 1116 EGR 1202	 Lab
0102	Romel Gomez MW 10:00am - 11:50am F 11:00am - 11:50am	Seats (Total: 40) JMP 1215 EGR 1202	 Lab

0201	Peter Sunderland TuTh 10:00am - 11:50am F 11:00am - 11:50am	Seats (Total: 40) JMP 1116 EGR 1202	Lab
0301	Sheryl Ehrman MW 12:00pm - 1:50pm F 12:00pm - 12:50pm	Seats (Total: 40) JMP 1116 EGR 1202	Lab
0401	Evandro Valente TuTh 12:00pm - 1:50pm F 12:00pm - 12:50pm	Seats (Total: 40) JMP 1116 EGR 1202	Lab
0402	Bruce Jacob TuTh 12:00pm - 1:50pm F 12:00pm - 12:50pm	Seats (Total: 40) JMP 1215 EGR 1202	Lab

ENES102 **Statics**

ENES102 *(PermReq)* **Statics; (3 credits)** Grade Method: REG/P-F/AUD. *Corequisite: MATH140. For engineering majors only. Formerly ENES110.* The equilibrium of stationary bodies under the influence of various kinds of forces. Forces, moments, couples, equilibrium, trusses, frames and machines, centroids, moment of inertia, beams, friction, stress/strain, material properties. Vector and scalar methods are used to solve problems.

0101	Kevin Calabro MW 9:00am - 9:50am F 9:00am - 10:50am	Seats (Total: 40) EGR 1108 CSI 1121	Discussion
0102	Peter Sandborn MW 9:00am - 9:50am F 9:00am - 10:50am	Seats (Total: 40) JMP 3216 PHY 4220	Discussion
0103	Robert Bonenberger MW 10:00am - 10:50am F 10:00am - 11:50am	Seats (Total: 42) EGR 1108 EGR 1108	Discussion
0105	Peter Sandborn MW 12:00pm - 12:50pm F 12:00pm - 1:50pm	Seats (Total: 40) EGR 0135 CHM 2201	Discussion

0106	Thomas Beigel MW 12:00pm - 12:50pm F 12:00pm - 1:50pm	Seats (Total: 40) EGR 0110 EGR 0110	 Discussion
0107	Robert Bonenberger MW 1:00pm - 1:50pm F 1:00pm - 2:50pm	Seats (Total: 45) CHM 0127 CHM 0127	 Discussion
0108	Deborah Goodings MW 1:00pm - 1:50pm F 1:00pm - 2:50pm	Seats (Total: 40) CHM 0122 CHM 0122	 Discussion
0109	Thomas Beigel MW 10:00am - 10:50am F 10:00am - 11:50am	Seats (Total: 45) EGR 0110 EGR 0110	 Discussion
0201	Gary Pertmer TuTh 2:00pm - 2:50pm F 2:00pm - 3:50pm	Seats (Total: 45) CHM 0119 CHM 0119	 Discussion

ENES116 **FLEXUS Living and Learning Community Seminar II**

ENES116 FLEXUS Living and Learning Community Seminar II; (1 credit) Grade Method: REG/P-F/AUD.
Prerequisite: ENES115; Restricted to first year FLEXUS participants (coded as WCY).
The seminar focuses on personal and professional development by enhancing technical ability, understanding educational options through minors and student projects in engineering, identifying and employing strategies and skills for academic and professional success, and developing career commitment through networking and mentoring. Students develop professional portfolios in preparation for a future internship or job.

0101	Paige Smith M 6:00pm - 7:15pm	Seats (Total: 15) LPA 1125	

ENES170 **Inventis - Professional Concepts in Engineering**

ENES170 Inventis - Professional Concepts in Engineering; (1 credit) Grade Method: REG/P-F/AUD.
Restricted to students in the Inventis program. Engineering professional concepts course focusing on emerging technologies, career opportunities for engineering, ethics in engineering, engineering in the context of the society, and technological entrepreneurship.

0101	Sarah Ireland Tu 5:00pm - 6:15pm	Seats (Total: 52) KEB 1110

ENES182 **Engineering the Future**

ENES182 Engineering the Future; (1 credit) Grade Method: REG/P-F/AUD.
An overview of the challenges facing society where the fields of engineering and science are being asked to provide the technologies underlying the proposed solutions including nanotechnology, sustainable energy, transportation, biotechnology, climate change, novel material and environmental impact. Also covered will be an understanding of how the different fields of engineering will play a role in solving these challenges.

0101	Raymond Phaneuf Th 3:30pm - 4:30pm	Seats (Total: 100) KEB 1110

ENES210 **Entrepreneurial Opportunity Analysis and Decision-Making in 21st Century Technology Ventures**
Contact department for information to register for this course.

ENES216 **FLEXUS Seminar IV**

ENES216 FLEXUS Seminar IV; (1 credit) Grade Method: REG/P-F/AUD.
Prerequisite: ENES115, ENES116, and ENES215. Restricted to second year FLEXUS Participants (coded as WCY). The seminar focuses on gender diversity and its cross-sections with culture. Students continue to enhance their leadership and mentoring skills, participate in networking opportunities with women in leadership roles and careers in engineering, and engage in opportunities for outreach and service-learning. Students will also complete a culminating semester project. Restricted to second-year students in the FLEXUS Living & Learning Community. The seminar focuses on gender diversity and its cross-sections with culture. Students will continue to enhance their leadership and mentoring skills, participate in networking opportunities with women in leadership roles and careers in engineering, and engage in opportunities for outreach and service-learning with current outreach programs taking place in the Clark School of Engineering. Students will also complete a culminating cumulative semester project.

0101	Paige Smith M 4:30pm - 5:45pm	Seats (Total: 15) LPA 1125	

ENES220 **Mechanics of Materials**

ENES220 *(PermReq)* **Mechanics of Materials; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisites: ENES102; and MATH141; and PHYS161. For engineering majors only (not including ENEE majors). Stress and deformation of solids-rods, beams, shafts, columns, tanks, and other structural, machine and vehicle members. Topics include stress transformation using Mohr's circle; shear and moment diagrams; derivation of elastic curves; and Euler's buckling formula. Design problems related to this material are given in lab.

0101	Kevin Calabro MW 2:00pm - 2:50pm F 2:00pm - 3:50pm	Seats (Total: 45) CHE 2108 EGR 3106	 Discussion
0102	Thomas Beigel MW 2:00pm - 2:50pm F 2:00pm - 3:50pm	Seats (Total: 45) EGR 3106 EGR 0110	 Discussion
0103	Yunfeng Zhang MW 10:00am - 10:50am F 10:00am - 11:50am	Seats (Total: 45) CHM 2201 CSI 2107	 Discussion

0104	William Fourney	Seats (Total: 45)	
	MW 10:00am - 10:50am F 10:00am - 11:50am	CHM 1224 MTH B0421	Discussion

ENES221 **Dynamics**

ENES221 *(PermReq)* **Dynamics; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisites: ENES102 or ENES110; and MATH141; and PHYS161. Systems of heavy particles and rigid bodies at rest and in motion. Force-acceleration, work-energy and impulse-momentum relationships. Motion of one body relative to another in a plane and in space. Engineering College (04) only.

0101	James Duncan	Seats (Total: 49)	
	TuTh 9:00am - 9:50am F 9:00am - 10:50am	CHE 2118 CHE 2118	Discussion
0102	James Duncan	Seats (Total: 41)	
	TuTh 1:00pm - 1:50pm F 1:00pm - 2:50pm	JMP 2202 JMP 2202	Discussion

ENES317 **Introduction to Engineering Leadership**

ENES317 Introduction to Engineering Leadership; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: permission of department. Recommended: ENES100 or equivalent. Focus is placed on general leadership theories in addition to real-world applications of leadership in engineering education, industry, and government. This course is restricted to students in the Engineering Leadership Development minor. All others may go on the holdfile.

0101	Ramsey Jabaji	Seats (Total: 30)	
	MW 5:45pm - 7:00pm	EGR 1104	

ENES390H **Systems Thinking for Managerial Decision Making**

ENES390H Systems Thinking for Managerial Decision Making; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: BMGT190H or ENES190H. For QUEST students only. Also offered as BMGT390. Credit will be granted for only one of the following: BMGT390, BMGT498X, ENES390, or ENES498X. Restricted to QUEST program students. Also offered as BMGT390H.

0101	Joseph Bailey TuTh 2:00pm - 3:15pm	Seats (Total: 80) VMH 1333

ENES458M **Topics in International Engineering; Global Perspectives of Engineering**

ENES458M *(PermReq)* **Topics in International Engineering: Global Perspectives of Engineering; (3 credits)** Grade Method: REG/P-F/AUD.

0101	Instructor: TBA Contact instructor or department for details.	Seats (Total: 5)

ENES460 **Fundamentals of Technology Start-Up Ventures**

ENES460 Fundamentals of Technology Start-Up Ventures; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as BUSI758T. Formerly ENES489A. Fundamental aspects of creating, organizing, funding, managing, and growing a technology startup venture. This multidisciplinary course will draw on management, business, legal, financial, as well as technical, concepts. Students form teams and develop a business plan for a technology company, based on each team's own business idea and then present the plan to a panel of outside experts.

0101	Alexander Lee, James Chung, Dean Chang M 2:00pm - 4:40pm	Seats (Total: 30) TAP 1103

ENES481 **Engineering Honors Seminar II**

ENES481 Engineering Honors Seminar II; (1 credit) Grade Method: REG.
Prerequisite: membership in College of Engineering Honors. Junior standing.
Introduction to engineering creativity and innovation in engineering. Application of methods of creativity to topics in communication, conducting research, and leadership.

0101	Richard McCuen W 12:00pm - 12:50pm	Seats (Total: 10) EGR 3111

ENES488A **Topics in Engineering Leadership; Inventis Capstone**

ENES488A *(PermReq)* **Topics in Engineering Leadership: Inventis Capstone; (1 credit)** Grade Method: REG/P-F/AUD.
Restricted to students in the Clark School Inventis program.

0101	Meredith DeMoss Tu 5:00pm - 5:50pm	Seats (Total: 35) EGR 1104

ENES488B **Topics in Engineering Leadership; Engineering Leadership Seminar**

ENES488B *(PermReq)* **Topics in Engineering Leadership: Engineering Leadership Seminar; (3 credits)** Grade Method: REG/P-F/AUD.

0101	Jane Fines Contact instructor or department for details.	Seats (Total: 5)

ENES498 **Special Topics in Entrepreneurship**

ENES498 Special Topics in Entrepreneurship; (3 credits) Grade Method: REG/P-F/AUD.
Restricted to students in the Hinman CEO program.

0101	James Green Th 5:00pm - 7:40pm *Restricted to Hinman CEO's students.*	Seats (Total: 100) SCC 2121
0201	Karen Thornton F 12:30pm - 3:30pm *Restricted to students in the Hillman Entrepreneurs Program.*	Seats (Total: 50) JMP 3202
0301	Daniel Raviv F 12:30pm - 3:30pm	Seats (Total: 15) JMP 3216

ENES498E **Special Topics in Entrepreneurship; Entrepreneurship in Chemical and Life Sciences**

ENES498E Special Topics in Entrepreneurship: Entrepreneurship in Chemical and Life Sciences; (3 credits) Grade Method: REG/P-F/AUD.

0101	Martha Connolly, Frederick Khachik M 2:00pm - 5:00pm	Seats (Total: 22) POT 2111

ENES601 **Future Faculty Program Seminar I**

ENES601 Future Faculty Program Seminar I; (1 credit) Grade Method: REG/AUD. *Prerequisite: Open only to students in the Clark School Future Faculty Program.* Introduction to and development of skills necessary to obtain and succeed in a university faculty position. Emphasis on technical writing and effective presentations. Discussion of research diversification, networking, ethics and professionalism.

0101	Sheryl Ehrman Th 9:30am - 10:45am	Seats (Total: 20) EGR 1110

ENES603 **Future Faculty Program Seminar III**

ENES603 Future Faculty Program Seminar III; (1 credit) Grade Method: REG/AUD. *Prerequisite: Open only to students in the Clark School Future Faculty Program.* Developing a successful faculty research program. Establishing and maintaining a research group. Finding funding opportunities and writing grant proposals. Mentoring graduate students. Faculty position application process. Preparing research and teaching statements.

0101	Ramalingam Chellappa Tu 10:30am - 11:45am	Seats (Total: 25) AVW 2120

ENES604 **Future Faculty Program Teaching Practicum**

ENES604 Future Faculty Program Teaching Practicum; (1 credit) Grade Method: REG/AUD.
Open only to graduate students in the Clark School Future Faculty Program. Students for whom English is not the native language must pass the Maryland English Institute ITA Evaluation prior to enrolling in this course. Prerequisite: ENES602. Graduate students will co-teach a course under supervision of a faculty mentor. Graudate students will be involved in all aspects of the course including development of syllabus, presenting lectures, writing and grading examiniations, and evaluating the students in the course. Restricted to the students in the Future Faculty program.

0101	Mark Shayman	Seats (Total: 25)
	Contact instructor or department for details.	

ENFP Engineering, Fire Protection Spring 2009

ENFP255 **Fire Alarm and Special Hazards Design**

ENFP255 Fire Alarm and Special Hazards Design; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: permission of department. Formerly ENFP315. Study of fire detection and alarm and gaseous and particulate fire suppression systems. Examination and evaluation of design criteria, performance specifications and research. Application of elementary fluid theory to the design and calculation procedures for gaseous and particulate fire suppression systems. An integrated fire protection systems design project.

0101	James Milke, Robert Gagnon	Seats (Total: 60)
	MW 2:00pm - 3:15pm	CHE 2110

ENFP310 **Water Based Fire Protection Systems Design**

ENFP310 Water Based Fire Protection Systems Design; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ENFP300 and permission of department. Corequisite: ENFP312. Introduction to aqueous fire suppression. Discussion of key fluid dynamics and heat transfer processes in aqueous fire suppression. System design and performance analysis based on national standards, hydraulic theory and elementary fluid dynamics and heat transfer.

0101	Andre Marshall, Joseph Simone MW 4:00pm - 5:15pm	Seats (Total: 43) JMP 3216

ENFP312 **Heat and Mass Transfer**

ENFP312 *(PermReq)* **Heat and Mass Transfer; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisites: (ENCH300, ENME320 or ENME232) and (ENFP300, ENCE330 or ENME331). Fundamentals of heat and mass transfer. Conduction, convection, radiation modes of heat transfer. Diffusion concepts and evaporation phenomena. Problem solving techniques with application to fire problems.

0101	Arnaud Trouve MW 11:00am - 12:15pm	Seats (Total: 40) JMP 3216

ENFP350 **Professional Development Seminar**

ENFP350 *(PermReq)* **Professional Development Seminar; (1 credit)** Grade Method: REG/P-F/AUD.
Prerequisite: permission of department. Junior standing. Not open to students who have completed ENFP450. Credit will be granted for only one of the following: ENFP350 or ENFP450. Formerly ENFP450. An integrative, upper level professional development seminar covering topics such as engineering ethics, professional licensing, codes and standards, intellectual property, career selection and various contemporary issues in fire protection engineering.

0101	Peter Sunderland Tu 3:30pm - 4:45pm	Seats (Total: 40) JMP 3216

ENFP405 **Structural Fire Protection**

ENFP405 *(PermReq)* **Structural Fire Protection; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: ENES220. For ENFP majors only. Effects of elevated temperature on structural materials; steel, concrete, wood, gypsum, glass and reinforced plastics. Experimental evaluation of fire resistance of building assemblies. Analytical methods to evaluate fire resistance of structural members.

0101	James Milke MW 12:30pm - 1:45pm	Seats (Total: 35) JMP 3216

ENFP416 **Problem Synthesis and Design**

ENFP416 *(PermReq)* **Problem Synthesis and Design; (3 credits)** Grade Method: REG/P-F/AUD.
Senior standing. Techniques and procedures of problem orientation and solution design utilizing logical and numerical procedures. Student development of research projects in selected areas.

0101	Arnaud Trouve Th 3:30pm - 6:00pm	Seats (Total: 30) JMP 1109

ENFP425 **Fire Modeling**

ENFP425 *(PermReq)* **Fire Modeling; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: permission of department. Senior standing. For ENFP majors only. An introduction to the elements of enclosure fires through the development of fire modeling algorithms and the application of computer-based fire modeling techniques. Numerical techniques, including curve-fitting, root-finding, integration and the solution of ordinary differential equations, are developed in the context of enclosure fire modeling applications. Math software packages, including primarily spreadsheet programs, are used to address and solve a variety of enclosure fire problems.

0101	Frederick Mowrer TuTh 11:00am - 12:15pm	Seats (Total: 40) JMP 3216

ENFP429 **Independent Studies**

ENFP429 *(PermReq)* **Independent Studies; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Senior standing. For ENFP majors only.

Contact department for information to register for this course.

ENFP489 **Special Topics**

ENFP489 *(PermReq)* **Special Topics; (3 credits)** Grade Method: REG/P-F/AUD.
Individual Instruction course: contact department or instructor to obtain section number.
For ENFP majors only.

Contact department for information to register for this course.

ENFP489A **Special Topics; Advanced Fire Suppression**

ENFP489A Special Topics: Advanced Fire Suppression; (3 credits) Grade Method: REG/P-F/AUD.
Formerly: ENFP489S.

0101	Frederick Mowrer	Seats (Total: 30)
	TuTh 2:00pm - 3:15pm	JMP 3216

ENFP611 **Fire Induced Flows**

ENFP611 Fire Induced Flows; (3 credits) Grade Method: REG/AUD.
Recommended: ENFP 415. Theoretical basis is presented for fire induced bouyancy driven flows. Plumes, ceiling jets, vent flows, compartment flows. Dimensional analysis for correlations and scale model applications. Smoke movement and combustion products.

0101	James Quintiere	Seats (Total: 20)
	TuTh 12:30pm - 1:45pm	JMP 3216

ENFP619 **Graduate Seminar**

ENFP619 *(PermReq)* **Graduate Seminar; (1 credit)** Grade Method: REG/AUD.

0101	Marino diMarzo	Seats (Total: 10)
	Contact instructor or department for details.	
	Contact instructor or department for details.	

ENFP620 **Fire Dynamics Laboratory**

ENFP620 Fire Dynamics Laboratory; (3 credits) Grade Method: REG/AUD.
Recommended: ENFP 415. Laboratory experiments are designed to illustrate fire phenomena and test theoretical models. Diffusion flames, ignition and flame spread on solids, liquid pool fires, wood crib fires, fire plumes, compartment fires.

0101	Andre Marshall	Seats (Total: 25)
	Tu 3:30pm - 6:00pm	JMP 1109

ENFP621 **Analytical Procedures of Structural Fire Protection**

ENFP621 *(PermReq)* **Analytical Procedures of Structural Fire Protection; (3 credits)** Grade Method: REG/AUD.
Prerequisite: ENFP 312 and ENFP 405. Analysis procedures for structural components of wood, steel, concrete, composites. Structural capabilities, modifications under fire induced exposures. Calculations, computer models for predicting fire resistance ratings of structural components.

0101	James Milke	Seats (Total: 20)
	MW 12:30pm - 1:45pm	JMP 3216

ENFP625 **Advanced Fire Modeling**
Contact department for information to register for this course.

ENFP627 **Smoke Detection and Management**

ENFP627 Smoke Detection and Management; (3 credits) Grade Method: REG.
Prerequisite: ENFP300. Analysis of hazard smoke. Response analysis of smoke detectors based on characteristics of detectors and properties of smoke. Performance characteristics and limitations of smoke management systems. Capabilities and limitations of analytical design aids.

DL01	James Milke	Seats (Total: 40)
	Meets March 2, 2009 - May 18, 2009	
	Class time/details on ELMs	ONLINE

ENFP629 **Selected Topics**

ENFP629 *(PermReq)* **Selected Topics; (3-6 credits)** Grade Method: REG/AUD.
Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENFP629D **Selected Topics; Forensic Fire Analysis**
Contact department for information to register for this course.

ENFP629E **Selected Topics; Performance-Based Design**

Contact department for information to register for this course.

ENFP629R **Selected Topics; Advanced Fire Risk Modeling**

ENFP629R Selected Topics: Advanced Fire Risk Modeling; (3-6 credits) Grade Method: REG/AUD.

DL01	Francisco Joglar	Seats (Total: 40)
	Meets March 2, 2009 - May 18, 2009	
	Class time/details on ELMs	ONLINE

ENFP649 **Special Problems**

ENFP649 *(PermReq)* **Special Problems; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENFP799 **Master's Thesis Research**

ENFP799 *(PermReq)* **Master's Thesis Research; (1-6 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENGL English Spring 2009

ENGL101 **Introduction to Writing**

FOR MORE DETAILED DESCRIPTIONS OF THE COURSES OFFERED, VISIT THE ENGLISH DEPARTMENT WEBSITE
(http://www.inform.umd.edu/ARHU/Depts/English/courses.html).

English as a second language classes are listed under UMEI.

ENGL101 Introduction to Writing; (3 credits) Grade Method: REG.
An introductory course in expository writing. Students with a TSWE score of 33 or below must take ENGL 101A in place of ENGL 101. Students for whom English is a second language should consider taking ENGL 101X in place of ENGL 101.

0101	Sahar Allamezade MWF 9:00am - 9:50am	Seats (Total: 22) SQH 2121
0104	Brent McCafferty MWF 9:00am - 9:50am	Seats (Total: 22) SQH 1111
0202	Lewis Gleich MWF 10:00am - 10:50am	Seats (Total: 22) SQH 2119
0203	Jacob Hinkson MWF 10:00am - 10:50am	Seats (Total: 22) KEY 0124
0205	Conor Burke MWF 10:00am - 10:50am	Seats (Total: 22) WDS 1131
0303	Jamison Kantor MWF 11:00am - 11:50am	Seats (Total: 22) HBK 0125
0304	Porter Olsen MWF 11:00am - 11:50am	Seats (Total: 22) SQH 1103
0307	Conor Burke MWF 11:00am - 11:50am	Seats (Total: 22) WDS 1130
0308	Sharon Higby MWF 11:00am - 11:50am	Seats (Total: 22) TLF 1101
0401	Sharon Higby MWF 12:00pm - 12:50pm	Seats (Total: 22) TLF 1101
0402	Jacob Hinkson MWF 12:00pm - 12:50pm	Seats (Total: 22) KEY 0119
0403	Nelson Pressley MWF 12:00pm - 12:50pm	Seats (Total: 22) KEY 0123
0404	James Hodapp MWF 12:00pm - 12:50pm	Seats (Total: 22) ASY 3217
0405	Sungho Lee MWF 12:00pm - 12:50pm	Seats (Total: 22) SQH 1123

0407	Agnes Bannigan MWF 12:00pm - 12:50pm	Seats (Total: 22) SQH 2120
0502	Jennifer Dempsey MWF 1:00pm - 1:50pm	Seats (Total: 22) SQH 1123
0505	Jacob Hinkson MWF 1:00pm - 1:50pm	Seats (Total: 22) SQH 2119
0506	Katharine Savini MWF 1:00pm - 1:50pm	Seats (Total: 22) SQH 1103
0507	Emerson Wright MWF 1:00pm - 1:50pm	Seats (Total: 22) SQH 1101
0508	Kimberly O'Connor MWF 1:00pm - 1:50pm	Seats (Total: 22) SQH 2122
0603	Jamison Kantor MWF 2:00pm - 2:50pm	Seats (Total: 22) KEY 0123
0605	Kara Morillo MWF 2:00pm - 2:50pm	Seats (Total: 22) SQH 1123
0607	Sungho Lee MWF 2:00pm - 2:50pm	Seats (Total: 0) KEY 0119
0609	Jacob Hinkson MWF 2:00pm - 2:50pm	Seats (Total: 0) SQH 1111
0611	David Danoff MWF 2:00pm - 2:50pm	Seats (Total: 22) SQH 2117
0612	Stephanie Graham MWF 9:00am - 9:50am	Seats (Total: 22) KEY 0123
0615	Kara Morillo MWF 12:00pm - 12:50pm	Seats (Total: 22) HBK 0125
0620	Nathan Kelber MWF 9:00am - 9:50am	Seats (Total: 22) KEY 0121

1001	Fernando Benavidez TuTh 8:00am - 9:15am	Seats (Total: 22) SQH 1105
1101	Thomas Lawton TuTh 9:30am - 10:45am	Seats (Total: 22) SQH 1111
1103	Jacqueline Kautzer TuTh 9:30am - 10:45am	Seats (Total: 22) KEY 0124
1104	Laura Gordon TuTh 9:30am - 10:45am	Seats (Total: 22) SQH 1123
1105	Katherine Young TuTh 9:30am - 10:45am	Seats (Total: 22) HBK 1112
1203	Natalie Hoffmann TuTh 11:00am - 12:15pm	Seats (Total: 22) KEY 0119
1204	Yildiz Nuredinoski TuTh 11:00am - 12:15pm	Seats (Total: 22) ASY 3219
1206	Timothy Jerome TuTh 11:00am - 12:15pm	Seats (Total: 22) KEY 0124
1208	Bridget Todd TuTh 11:00am - 12:15pm	Seats (Total: 22) HBK 1112
1209	Kyle Garton-Gundling TuTh 11:00am - 12:15pm	Seats (Total: 22) WDS 1131
1302	Mirona Magearu TuTh 12:30pm - 1:45pm	Seats (Total: 22) HBK 0123
1303	Katherine Hazelrigg TuTh 12:30pm - 1:45pm	Seats (Total: 22) MTH 0401
1304	Alison Hennessee TuTh 12:30pm - 1:45pm	Seats (Total: 22) KEY 0119
1307	Hannah Baker TuTh 12:30pm - 1:45pm	Seats (Total: 22) ARM 0120

1308	Sarah Sillin TuTh 12:30pm - 1:45pm	Seats (Total: 22) KEY 0120
1401	Victoria Garton-Gundling TuTh 2:00pm - 3:15pm	Seats (Total: 22) MTH 0105
1405	James Goodwin TuTh 2:00pm - 3:15pm	Seats (Total: 22) SYM 0209
1406	Karl Zuehlke TuTh 2:00pm - 3:15pm	Seats (Total: 22) HJP 1229
1409	Meredith Norris TuTh 11:00am - 12:15pm	Seats (Total: 22) KEY 0120
1411	Rebekah Cunningham TuTh 2:00pm - 3:15pm	Seats (Total: 22) KEY 0124
1412	Jocelyn Heath TuTh 9:30am - 10:45am	Seats (Total: 22) TYD 1114
1413	Nicole Gurley TuTh 11:00am - 12:15pm	Seats (Total: 22) JMZ 2117
1414	Maria Gigante TuTh 12:30pm - 1:45pm	Seats (Total: 22) HBK 0125
1416	Sarah Wylder TuTh 9:30am - 10:45am	Seats (Total: 22) SQH 1105
1426	Rebekah Cunningham TuTh 12:30pm - 1:45pm	Seats (Total: 22) JMZ 2123

ENGL101A **Introduction to Writing**

ENGL101A Introduction to Writing; (3 credits) Grade Method: REG. Students must take ENGL 101A rather than ENGL 101 if their TSWE score (a subscore of the SAT verbal) is 33 or below. Classes are limited to 15 students.

1701	Nabila Hijazi TuTh 9:30am - 10:45am	Seats (Total: 15) WDS 1130
1702	Gerald Maa MWF 11:00am - 11:50am	Seats (Total: 15) SQH 1101

ENGL101M **Introduction to Writing**

ENGL101M Introduction to Writing; (3 credits) Grade Method: REG.
Restricted to students in the Markets and Society program.

0501	Deborah Bailin MWF 1:00pm - 1:50pm	Seats (Total: 0) SQH 2121
1205	Maggie Ray TuTh 11:00am - 12:15pm	Seats (Total: 0) TYD 0111

ENGL101S **Introduction to Writing**

ENGL101S Introduction to Writing; (3 credits) Grade Method: REG.
Restricted to students in the programs of College Park Scholars.

0208	Alyson Doulos MWF 10:00am - 10:50am *Restricted to College Park Scholars - Business, Society & Economy and Public Leadership.*	Seats (Total: 22) CCC 1105
0302	Alyson Doulos MWF 11:00am - 11:50am *Restricted to College Park Scholars - Environmental Studies and Life Sciences.*	Seats (Total: 22) CCC 1105
0406	Nathaniel Underland MWF 12:00pm - 12:50pm *Restricted to College Park Scholars - Earth, Life & Time and Business, Society & Economy.*	Seats (Total: 22) CCC 1115
1201	Hannah Baker TuTh 11:00am - 12:15pm *Restricted to College Park Scholars - Environmental Studies and Life Sciences.*	Seats (Total: 22) CCC 1105

1202	Schuyler Esprit TuTh 11:00am - 12:15pm	Seats (Total: 22) CCC 1115
	Restricted to College Park Scholars - International Studies and Public Leadership.	
1309	Elizabeth Whitney TuTh 12:30pm - 1:45pm	Seats (Total: 22) CCC 1105
	Restricted to College Park Scholars - International Studies and Life Sciences.	

ENGL101X **Introduction to Writing**

ENGL101X Introduction to Writing; (3 credits) Grade Method: REG.
Limited to students for whom English is a second language. To register for ENGL 101X, a student must first demonstrate competence in English. Proof of one of the following should be brought to advisors 1. A TOEFL score of 550 with no sectional score below 50. 2. A CELT score of 220 with no subtest score below 60 and a rating of 5 or better on the writing sample. 3. Successful completion of UMEI 005, Advanced English as a Foreign Language, Semi-Intensive.

2002	Tasos Lazarides TuTh 11:00am - 12:15pm	Seats (Total: 18) TLF 1103
2005	Gerald Maa MWF 10:00am - 10:50am	Seats (Total: 18) KEY 0123
2007	Nabila Hijazi TuTh 12:30pm - 1:45pm	Seats (Total: 18) JMZ 0118

ENGL201 **Literature of the Western World I: Ancient and Medieval**

ENGL201 Literature of the Western World I: Ancient and Medieval; (3 credits) Grade Method: REG/P-F/AUD. CORE Literature (HL) Course.
Readings of authors, works, and genres, largely continental, in the early Western literary tradition. Readings such as selections from the Bible, Homer, Sophocles, Aeschylus, Sappho, Virgil, Ovid, Seneca, Augustine, Dante, medieval romance.

0901	Ellen Moll MWF 12:00pm - 12:50pm	Seats (Total: 35) HBK 0115

ENGL202 **Literature of the Western World II: Renaissance to Modern**

ENGL202 Literature of the Western World II: Renaissance to Modern; (3 credits)
Grade Method: REG/P-F/AUD. CORE Literature (HL) Course.
Readings of major authors, works, and genres, largely continental, in the late Western literary tradition. Readings may include Cervantes, Calderon, Moliere, Voltaire, Goethe, Dostoevsky, Ibsen, Chekhov, Flaubert, Sand, Camus, drama, the rise of the novel.

0201	Michael Rosenberg MWF 11:00am - 11:50am	Seats (Total: 35) HBK 0115	

ENGL205 **Introduction to Shakespeare**

ENGL205 Introduction to Shakespeare; (3 credits) Grade Method: REG/P-F/AUD. CORE Literature (HL) Course.
Recommended for non-majors. Reading of representative works. Genre, action, character, theme, language, and staging. Shakespeare's relation to Renaissance culture.

0101	Maynard Mack TuTh 9:30am - 10:20am F 9:00am - 9:50am	Seats (Total: 22) JMZ 0220 HBK 1112	Discussion
0102	Maynard Mack TuTh 9:30am - 10:20am F 10:00am - 10:50am	Seats (Total: 22) JMZ 0220 PLS 1146	Discussion
0103	Maynard Mack TuTh 9:30am - 10:20am F 11:00am - 11:50am	Seats (Total: 22) JMZ 0220 PLS 1146	Discussion
0106	Maynard Mack TuTh 9:30am - 10:20am F 11:00am - 11:50am	Seats (Total: 22) JMZ 0220 SQH 1117	Discussion
0108	Maynard Mack TuTh 9:30am - 10:20am F 12:00pm - 12:50pm	Seats (Total: 22) JMZ 0220 SQH 1107	Discussion
0109	Maynard Mack TuTh 9:30am - 10:20am F 1:00pm - 1:50pm	Seats (Total: 22) JMZ 0220 SQH 1107	Discussion

ENGL211 **English Literature: Beginnings to 1800**

ENGL211 English Literature: Beginnings to 1800; (3 credits) Grade Method: REG/P-F/AUD. CORE Literature (HL) Course.
Surveys medieval and early modern literary works written in England. Readings may include Beowulf, Chaucer, Spenser, Mary Wroth, Milton; eighteenth-century satire, drama, novels.

0901	Elizabeth Martin MWF 12:00pm - 12:50pm	Seats (Total: 35) MTH B0421

ENGL212 **English Literature: 1800 to the Present**

ENGL212 English Literature: 1800 to the Present; (3 credits) Grade Method: REG/P-F/AUD. CORE Literature (HL) Course.
Surveys the major literary movements of the period, from Romantic to Victorian to Modern. Such authors as Wordsworth, Keats, Bronte, Tennyson, Browning, Yeats, Joyce, Woolf.

0102	Elizabeth Colson MW 10:00am - 10:50am F 10:00am - 10:50am	Seats (Total: 35) TYD 1102 TYD 1118

ENGL221 **American Literature: Beginning to 1865**

ENGL221 American Literature: Beginning to 1865; (3 credits) Grade Method: REG/P-F/AUD. CORE Literature (HL) Course.
Surveys American writing from the founding of the colonies through the Civil War. Authors such as Taylor, Cooper, Poe, Dickinson.

0301	Eric Curry TuTh 11:00am - 12:15pm	Seats (Total: 35) EGL 1202

ENGL222 **American Literature: 1865 to Present**

ENGL222 American Literature: 1865 to Present; (3 credits) Grade Method: REG/P-F/AUD. CORE Literature (HL) Course.
Surveys American writing from the Civil War through the Cold War. Authors such as Clemens, Frost, Hurston, Bellow.

0101	David Wyatt TuTh 12:30pm - 1:20pm F 12:00pm - 12:50pm	Seats (Total: 22) LEF 2205 COL 0102	Discussion
0102	David Wyatt TuTh 12:30pm - 1:20pm F 9:00am - 9:50am	Seats (Total: 22) LEF 2205 ARM 0102	Discussion
0103	David Wyatt TuTh 12:30pm - 1:20pm F 12:00pm - 12:50pm	Seats (Total: 22) LEF 2205 ARM 0120	Discussion
0104	David Wyatt TuTh 12:30pm - 1:20pm F 10:00am - 10:50am	Seats (Total: 22) LEF 2205 ASY 3221	Discussion
0105	David Wyatt TuTh 12:30pm - 1:20pm F 1:00pm - 1:50pm	Seats (Total: 22) LEF 2205 ARM 0101	Discussion
0106	David Wyatt TuTh 12:30pm - 1:20pm F 10:00am - 10:50am	Seats (Total: 22) LEF 2205 COL 0101	Discussion
0107	David Wyatt TuTh 12:30pm - 1:20pm F 11:00am - 11:50am	Seats (Total: 22) LEF 2205 ARM 0101	Discussion
0108	David Wyatt TuTh 12:30pm - 1:20pm F 11:00am - 11:50am	Seats (Total: 22) LEF 2205 COL 0102	Discussion
0109	David Wyatt TuTh 12:30pm - 1:20pm F 11:00am - 11:50am	Seats (Total: 22) LEF 2205 JMZ 2122	Discussion

ENGL233 Introduction to Asian American Literature

ENGL233 Introduction to Asian American Literature; (3 credits) Grade Method: REG/P-F/AUD. CORE Literature (HL) Course. CORE Diversity (D) Course.
Also offered as AAST233. Not open to students who have completed AAST233 or AAST298L. Credit will be granted for only one of the following: AAST233, AAST298L or ENGL233. A survey of Asian American literatures with an emphasis on recurrent themes and historical context.

0101	Lawrence-Minh Davis W 5:00pm - 7:30pm	Seats (Total: 35) PLS 1117	

ENGL234 **Introduction to African-American Literature**

ENGL234 Introduction to African-American Literature; (3 credits) Grade Method: REG/P-F/AUD. CORE Literature (HL) Course. CORE Diversity (D) Course.
A survey of African-American literature from the late 18th century to the present. Also offered as AASP298L.

0101	Zita Nunes MW 11:00am - 11:50am F 9:00am - 9:50am	Seats (Total: 22) SHM 2102 SQH 2119	Discussion
0103	Zita Nunes MW 11:00am - 11:50am F 12:00pm - 12:50pm	Seats (Total: 22) SHM 2102 SQH 2121	Discussion
0104	Zita Nunes MW 11:00am - 11:50am F 1:00pm - 1:50pm	Seats (Total: 22) SHM 2102 SQH 1121	Discussion
0105	Zita Nunes MW 11:00am - 11:50am F 9:00am - 9:50am	Seats (Total: 22) SHM 2102 SQH 1107	Discussion
0106	Zita Nunes MW 11:00am - 11:50am F 10:00am - 10:50am	Seats (Total: 22) SHM 2102 SQH 1105	Discussion
0107	Zita Nunes MW 11:00am - 11:50am F 10:00am - 10:50am	Seats (Total: 22) SHM 2102 SQH 1117	Discussion

0108	Zita Nunes MW 11:00am - 11:50am F 11:00am - 11:50am	Seats (Total: 22) SHM 2102 TLF 1103	Discussion
0109	Zita Nunes MW 11:00am - 11:50am F 11:00am - 11:50am	Seats (Total: 22) SHM 2102 SQH 1119	Discussion
0110	Zita Nunes MW 11:00am - 11:50am F 11:00am - 11:50am	Seats (Total: 22) SHM 2102 SQH 1105	Discussion

ENGL241 **Introduction to the Novel**

ENGL241 Introduction to the Novel; (3 credits) Grade Method: REG/P-F/AUD. CORE Literature (HL) Course.
Historical, formal, social questions about the genre. Readings drawn from a range of cultures and communities.

0101	John Auchard TuTh 12:30pm - 1:20pm F 9:00am - 9:50am	Seats (Total: 22) ARM 0135 SQH 1105	Discussion
0102	John Auchard TuTh 12:30pm - 1:20pm F 11:00am - 11:50am	Seats (Total: 22) ARM 0135 CHE 2145	Discussion
0103	John Auchard TuTh 12:30pm - 1:20pm F 12:00pm - 12:50pm	Seats (Total: 22) ARM 0135 KEY 0125	Discussion
0105	John Auchard TuTh 12:30pm - 1:20pm F 10:00am - 10:50am	Seats (Total: 22) ARM 0135 SQH 1119	Discussion
0106	John Auchard TuTh 12:30pm - 1:20pm F 11:00am - 11:50am	Seats (Total: 22) ARM 0135 SQH 1121	Discussion

0107	John Auchard TuTh 12:30pm - 1:20pm F 12:00pm - 12:50pm	Seats (Total: 22) ARM 0135 CHE 2145	Discussion
0108	John Auchard TuTh 12:30pm - 1:20pm F 1:00pm - 1:50pm	Seats (Total: 22) ARM 0135 CHE 2145	Discussion

ENGL243 **Introduction to Poetry**

ENGL243 Introduction to Poetry; (3 credits) Grade Method: REG/P-F/AUD. CORE Literature (HL) Course.
How poetry works. Focus on style, subject, rhythm, voice, technique and structure. Readings from a range of cultures and communities.

0101	Stanley Plumly MW 1:00pm - 1:50pm F 12:00pm - 12:50pm	Seats (Total: 22) ARC 0204 SQH 1119	Discussion
0102	Stanley Plumly MW 1:00pm - 1:50pm F 9:00am - 9:50am	Seats (Total: 22) ARC 0204 SQH 1101	Discussion
0103	Stanley Plumly MW 1:00pm - 1:50pm F 12:00pm - 12:50pm	Seats (Total: 22) ARC 0204 PHY 1402	Discussion
0104	Stanley Plumly MW 1:00pm - 1:50pm F 10:00am - 10:50am	Seats (Total: 22) ARC 0204 SQH 1111	Discussion
0105	Stanley Plumly MW 1:00pm - 1:50pm F 11:00am - 11:50am	Seats (Total: 22) ARC 0204 SQH 2121	Discussion
0106	Stanley Plumly MW 1:00pm - 1:50pm F 11:00am - 11:50am	Seats (Total: 22) ARC 0204 SQH 2117	Discussion

0107	Stanley Plumly MW 1:00pm - 1:50pm F 11:00am - 11:50am	Seats (Total: 22) ARC 0204 PHY 4208	Discussion
0108	Stanley Plumly MW 1:00pm - 1:50pm F 1:00pm - 1:50pm	Seats (Total: 22) ARC 0204 PHY 1219	Discussion
0109	Stanley Plumly MW 1:00pm - 1:50pm F 1:00pm - 1:50pm	Seats (Total: 22) ARC 0204 SQH 1119	Discussion
0110	Stanley Plumly MW 1:00pm - 1:50pm F 11:00am - 11:50am	Seats (Total: 22) ARC 0204 HBK 0123	Discussion
0111	Stanley Plumly MW 1:00pm - 1:50pm F 12:00pm - 12:50pm	Seats (Total: 22) ARC 0204 HBK 1108	Discussion
0112	Stanley Plumly MW 1:00pm - 1:50pm F 1:00pm - 1:50pm	Seats (Total: 22) ARC 0204 HBK 1108	Discussion
0201	Lindsay Bernal TuTh 3:30pm - 4:45pm	Seats (Total: 35) KEY 0103	

ENGL244 **Introduction to Drama**

ENGL244 Introduction to Drama; (3 credits) Grade Method: REG/P-F/AUD. CORE Literature (HL) Course.
A survey of the basic literature of drama from the classical Greeks to modern times.

0101	Stephanie Graham MWF 12:00pm - 12:50pm	Seats (Total: 35) HBK 0105	

ENGL245 **Film and the Narrative Tradition**

ENGL245 Film and the Narrative Tradition; (3 credits) Grade Method: REG/P-F/AUD. CORE History or Theory of Arts (HA) Course.
Primary attention is on the film as a narrative medium, but other literary models will be examined.

0102	Amy Corbin TuTh 3:30pm - 4:45pm	Seats (Total: 35) SQH 1119	
0103	Amy Corbin TuTh 2:00pm - 3:15pm	Seats (Total: 35) SQH 1119	

ENGL246 **Introduction to the Short Story**

ENGL246 Introduction to the Short Story; (3 credits) Grade Method: REG/P-F/AUD. CORE Literature (HL) Course.
A survey of the genre, with a focus on significant elements, such as plot, character, description, style, and theme. Readings will be drawn from a range of cultures and communities.

0101	Merrill Feitell TuTh 12:30pm - 1:45pm	Seats (Total: 35) SQH 1121	

ENGL250 **Introduction to Literature by Women**

ENGL250 Introduction to Literature by Women; (3 credits) Grade Method: REG/P-F/AUD. CORE Literature (HL) Course. CORE Diversity (D) Course.
Also offered as WMST255. Credit will be granted for only one of the following: ENGL250 or WMST255. Images of women in literature by and about women.

0101	Martha Nell Smith TuTh 2:00pm - 2:50pm F 11:00am - 11:50am	Seats (Total: 22) KEY 0106 MTH 0305	 Discussion
0102	Martha Nell Smith TuTh 2:00pm - 2:50pm F 1:00pm - 1:50pm	Seats (Total: 22) KEY 0106 SYM 0209	 Discussion
0104	Martha Nell Smith TuTh 2:00pm - 2:50pm F 9:00am - 9:50am	Seats (Total: 22) KEY 0106 ARM 0103	 Discussion

0105	Martha Nell Smith TuTh 2:00pm - 2:50pm F 10:00am - 10:50am	Seats (Total: 22) KEY 0106 ARM 0101	Discussion
0106	Martha Nell Smith TuTh 2:00pm - 2:50pm F 11:00am - 11:50am	Seats (Total: 22) KEY 0106 BPS 1232	Discussion
0107	Martha Nell Smith TuTh 2:00pm - 2:50pm F 12:00pm - 12:50pm	Seats (Total: 22) KEY 0106 BPS 1124	Discussion
0108	Martha Nell Smith TuTh 2:00pm - 2:50pm F 10:00am - 10:50am	Seats (Total: 22) KEY 0106 PLS 1119	Discussion
0109	Martha Nell Smith TuTh 2:00pm - 2:50pm F 12:00pm - 12:50pm	Seats (Total: 22) KEY 0106 SYM 0209	Discussion

ENGL263 **The Hebrew Bible: Poetry and Prophecy**

ENGL263 The Hebrew Bible: Poetry and Prophecy; (3 credits) Grade Method: REG/P-F/AUD. CORE Literature (HL) Course.
Also offered as JWST263. Not open to students who have completed HEBR224. Credit will be granted for only one of the following: ENGL263 or JWST263. Formerly HEBR224. Readings of poetic and prophetic selections from the Hebrew Bible. Analysis of devices and their rhetorical effort. Comparison of biblical poetry with other poetry of the ancient near East. In English; no knowledge of Hebrew required.

0101	Adele Berlin TuTh 9:30am - 10:45am	Seats (Total: 60) SQH 1119

ENGL265 **Introduction to Lesbian, Gay, and Bisexual Literature**

ENGL265 Introduction to Lesbian, Gay, and Bisexual Literature; (3 credits) Grade Method: REG/P-F/AUD. CORE Literature (HL) Course. CORE Diversity (D) Course.
Also offered as LGBT265. Not open to students who have completed LGBT265. Credit will be granted for only one of the following: ENGL265 or LGBT265. A study of the pervasiveness of homoeroticism in literature from the Renaissance to the present. Emphasis on recurrent themes and motifs and the struggle to find voice within a context of stigma, suppression, and silence. Writers might include Shakespeare, Walt Whitman, Emily Dickinson, Oscar Wilde, Willa Cather, James Baldwin, Audre Lorde, Adrienne Rich.

0101	James Goodwin TuTh 11:00am - 12:15pm	Seats (Total: 35) TYD 2111

ENGL278C **Special Topics in Literature; Introduction Creative Writing: African American Perspective**

ENGL278C Special Topics in Literature: Introduction Creative Writing: African American Perspective; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as AASP298W. Credit will be granted for only one of the following: AASP298W, ENGL294, ENGL294N, or ENGL278C.

0101	Valerie Turner TuTh 9:30am - 10:45am	Seats (Total: 20) NCC 0120

ENGL280 **Introduction to the English Language**

ENGL280 Introduction to the English Language; (3 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course.
Facts and phenomena of the English language; basic concepts and instruments useful for the analysis of literary and rhetorical uses of English. Potential topics include the history of English, its metrics, lexical patterns, common rhetorical devices, literary genres and its role as an international language.

0101	Elizabeth Driver TuTh 5:00pm - 6:15pm	Seats (Total: 35) SQH 1103

ENGL281 **Standard English Grammar, Usage, and Diction**

ENGL281 Standard English Grammar, Usage, and Diction; (3 credits) Grade Method: REG/P-F/AUD.
The basic structure of written English, including parts of speech, sentence patterns, standard punctuation, diction, and usage.

0101	Linda Coleman TuTh 11:00am - 12:15pm	Seats (Total: 35) SQH 1119

ENGL282 **Introduction to Rhetorical Theory**

ENGL282 Introduction to Rhetorical Theory; (3 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course.
Basic elements of rhetorical theory. Classical and contemporary perspectives on the nature, functions, and scope of rhetoric. Potential texts for analysis include non-fiction prose, novels, short fiction, philosophical treatises, autobiographies, biographies, and speeches.

0101	Mark Hoffmann MWF 11:00am - 11:50am	Seats (Total: 35) BPS 1236

ENGL294 **Introduction to Creative Writing**

ENGL294 Introduction to Creative Writing; (3 credits) Grade Method: REG/P-F/AUD.
Writing of fiction and poetry, with special attention to elements of style and craft. Selected readings, frequent writing exercises, workshop format.

0101	Karl Zuehlke TuTh 11:00am - 12:15pm	Seats (Total: 20) SQH 1111
0201	Leigh Ruggiero TuTh 11:00am - 12:15pm	Seats (Total: 20) SQH 2121
0301	Shenandoah Sowash TuTh 2:00pm - 3:15pm	Seats (Total: 20) TYD 2110
0401	Leigh Ruggiero TuTh 12:30pm - 1:45pm	Seats (Total: 20) SQH 2121

ENGL296 **Beginning Fiction Workshop**

ENGL296 Beginning Fiction Workshop; (3 credits) Grade Method: REG/P-F/AUD. Writing of fiction, with special attention to the elements of style and craft. Selected readings, frequent writing exercises, workshop format.

0101	Dory Hoffman TuTh 11:00am - 12:15pm	Seats (Total: 20) TLF 1101
0301	Agnes Bannigan MW 2:00pm - 3:15pm	Seats (Total: 20) KEY 0124

ENGL297 **Beginning Poetry Workshop**

ENGL297 Beginning Poetry Workshop; (3 credits) Grade Method: REG/P-F/AUD. Writing of poetry, with special attention to the elements of style and craft. Selected readings, frequent writing exercises, workshop format.

0301	Natalie Corbin TuTh 2:00pm - 3:15pm	Seats (Total: 20) SQH 2119
0401	Kimberly O'Connor MW 11:00am - 12:15pm	Seats (Total: 20) SQH 2121

ENGL301 **Critical Methods in the Study of Literature**

ENGL301 Critical Methods in the Study of Literature; (3 credits) Grade Method: REG.

For English or English Education Majors, or English Minors. An introduction to the techniques of literary analysis and a brief survey of the most common approaches to literature.

0101	Jason Rudy MW 11:00am - 12:15pm	Seats (Total: 25) SQH 1105
0201	Melanie Faith MW 12:30pm - 1:45pm	Seats (Total: 25) SQH 1107
0301	Deborah Bailin MW 2:00pm - 3:15pm	Seats (Total: 25) SQH 2121

0401	Ingrid Satelmajer TuTh 2:00pm - 3:15pm	Seats (Total: 25) SQH 1101	
0501	Keguro Macharia TuTh 9:30am - 10:45am	Seats (Total: 25) TYD 1108	
0601	Christina Walter TuTh 2:00pm - 3:15pm	Seats (Total: 25) SQH 2121	
0701	Robert Levine TuTh 3:30pm - 4:45pm	Seats (Total: 25) SQH 1101	

ENGL304 **The Major Works of Shakespeare**

ENGL304 The Major Works of Shakespeare; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: two lower-level English courses, at least one in literature; or permission of department. Not open to students who have completed ENGL403 and ENGL404.
Representative early, middle, and later works, including comedies, tragedies, histories, and romances. Historical and cultural contexts.

0101	Theodore Leinwand TuTh 11:00am - 11:50am F 10:00am - 10:50am	Seats (Total: 25) BPS 1250 JMP 3216	Discussion
0102	Theodore Leinwand TuTh 11:00am - 11:50am F 11:00am - 11:50am	Seats (Total: 25) BPS 1250 JMP 3216	Discussion
0103	Theodore Leinwand TuTh 11:00am - 11:50am F 11:00am - 11:50am	Seats (Total: 25) BPS 1250 SQH 1111	Discussion
0104	Theodore Leinwand TuTh 11:00am - 11:50am F 12:00pm - 12:50pm	Seats (Total: 25) BPS 1250 SQH 1103	Discussion

ENGL310 **Medieval and Renaissance British Literature**

ENGL310 Medieval and Renaissance British Literature; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: two lower-level English courses, at least one in literature; or permission of department. Detailed study of selected major medieval and Renaissance works written in England. Cultural attitudes and historical contexts. May include Beowulf, Anglo-Saxon lyric, drama, sonnets; works of women writers, Chaucer, Spenser, Sidney. Some readings in Middle English.

0101	Michael Olmert MW 2:00pm - 2:50pm F 11:00am - 11:50am	Seats (Total: 22) ASY 2203 TYD 1132	 Discussion
0102	Michael Olmert MW 2:00pm - 2:50pm F 12:00pm - 12:50pm	Seats (Total: 22) ASY 2203 ASY 3203	 Discussion
0103	Michael Olmert MW 2:00pm - 2:50pm F 1:00pm - 1:50pm	Seats (Total: 22) ASY 2203 ASY 3217	 Discussion
0104	Michael Olmert MW 2:00pm - 2:50pm F 12:00pm - 12:50pm	Seats (Total: 22) ASY 2203 ASY 3207	 Discussion
0105	Michael Olmert MW 2:00pm - 2:50pm F 1:00pm - 1:50pm	Seats (Total: 22) ASY 2203 ASY 3207	 Discussion
0106	Michael Olmert MW 2:00pm - 2:50pm F 2:00pm - 2:50pm	Seats (Total: 22) ASY 2203 ASY 3219	 Discussion

ENGL311 **British Literature from 1600 to 1800**

ENGL311 British Literature from 1600 to 1800; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: two lower-level English courses, at least one in literature; or permission of department. The culture of seventeenth and eighteenth-century Britain seen through detailed study of selected major texts. Drama, poetry, political writings, and early novels by men and women. Authors may include Donne, Milton, Jonson, Behn, Swift, Pope, Montagu, and Wollstonecraft.

0101	Melanie Faith MW 9:30am - 10:45am	Seats (Total: 35) SQH 1105	

ENGL312 **Romantic to Modern British Literature**

ENGL312 Romantic to Modern British Literature; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: two lower-level English courses, at least one in literature; or permission of department. Detailed study of selected major texts from the 19th and 20th centuries. Transitions from Romanticism to Victorian age to Modernism. Historical, social, literary contexts. Issues such as rise of democracy; industrial revolution; the "woman question"; revolutions in literary form. Authors might include Wordsworth, Austen, Dickens, Arnold, T.S. Eliot, Woolf.

0101	Linda Freeman TuTh 3:30pm - 4:45pm	Seats (Total: 35) SQH 1103	

ENGL313 **American Literature**

ENGL313 American Literature; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: two lower-level English courses, at least one in literature; or permission of department. A detailed study of selected major texts of American literature from the 17th century to the 20th century. Issues such as race, gender, and regionalism. Authors such as Franklin, Hawthorne, Dickinson, Hemingway, and Morrison.

0101	Robert Levine TuTh 11:00am - 11:50am F 1:00pm - 1:50pm	Seats (Total: 25) SQH 1120 ASY 3215	 Discussion
0102	Robert Levine TuTh 11:00am - 11:50am F 2:00pm - 2:50pm	Seats (Total: 25) SQH 1120 ASY 3215	 Discussion

0103	Robert Levine TuTh 11:00am - 11:50am F 1:00pm - 1:50pm	Seats (Total: 25) SQH 1120 ARM 0121	 Discussion
0104	Robert Levine TuTh 11:00am - 11:50am F 2:00pm - 2:50pm	Seats (Total: 25) SQH 1120 ARM 0118	 Discussion

ENGL346 **Twentieth Century Fiction**

ENGL346 Twentieth Century Fiction; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: two lower-level English courses, at least one in literature; or permission of department. Not open to students who have completed ENGL379B in Spring 2006.* Major British, American, and other fiction writers of the twentieth century studied in the context of the broad global, intellectual, and artistic interests of the century.

0101	Almila Ozdek TuTh 3:30pm - 4:45pm	Seats (Total: 35) MTH 0303

ENGL348J **Literary Works by Women; Women and Jewish Literature**

ENGL348J Literary Works by Women: Women and Jewish Literature; (3 credits) Grade Method: REG/P-F/AUD. CORE Diversity (D) Course.
Prerequisite: two lower-level English courses, at least one in literature; or permission of department. Also offered as JWST319C.

0101	Sheila Jelen TuTh 12:30pm - 1:45pm	Seats (Total: 35) SQH 1107

ENGL348P **Literary Works by Women; Women on the Plantation**

ENGL348P Literary Works by Women: Women on the Plantation; (3 credits) Grade Method: REG/P-F/AUD. CORE Diversity (D) Course.
Also offered as WMST348P. Prerequisite: two lower-level English courses, at least one in literature; or permission of the department.

0101	Leigh Ryan TuTh 9:30am - 10:45am	Seats (Total: 35) SQH 1103

ENGL362 **Caribbean Literature in English**

ENGL362 Caribbean Literature in English; (3 credits) Grade Method: REG/P-F/AUD. CORE Diversity (D) Course.
Prerequisite: two lower-level English courses, at least one in literature; or permission of department. Political and literary traditions that intersect in the fiction, poetry, and drama written in English by Caribbean writers, primarily during the 20th century.

0101	Merle Collins	Seats (Total: 35)
	TuTh 11:00am - 12:15pm	SQH 1103

ENGL368A **Special Topics in the Literature of Africa and the African Diaspora; The Black Diaspora**

ENGL368A Special Topics in the Literature of Africa and the African Diaspora: The Black Diaspora; (3 credits) Grade Method: REG/P-F/AUD. CORE Diversity (D) Course.
Prerequisite: two lover-level English courses, at least one in literature; or permission of department.

0101	Keguro Macharia	Seats (Total: 35)
	TuTh 12:30pm - 1:45pm	SQH 1105

ENGL370 **Junior Honors Conference**

ENGL370 *(PermReq)* **Junior Honors Conference; (1 credit)** Grade Method: REG/P-F/AUD.
Prerequisite: candidacy for honors in English. Preparation for writing the senior honors project.

0101	Joshua Weiner	Seats (Total: 20)
	M 3:30pm - 5:00pm	SQH 2123

ENGL379 **Special Topics in Literature**
Contact department for information to register for this course.

ENGL379A **Special Topics in Literature; Auteurs and Poseurs: Film and the Concept of Authorship**

ENGL379A Special Topics in Literature: Auteurs and Poseurs: Film and the Concept of Authorship; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: Two lower-level English courses, at least one in literature; or permission of the department.

0101	Marianne Conroy	Seats (Total: 35)
	MW 2:00pm - 3:15pm	SQH 1119

ENGL379B **Special Topics in Literature; Contemporary Asian American Literature of the 21st Century**

ENGL379B Special Topics in Literature: Contemporary Asian American Literature of the 21st Century; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as AAST398B.

0101	Lawrence-Minh Davis	Seats (Total: 40)
	Tu 5:00pm - 7:30pm	ASY 3211

ENGL379C **Special Topics in Literature; Editing and Document Design**

ENGL379C Special Topics in Literature: Editing and Document Design; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: Two lower-level English courses, at least one in literature; or permission of the department.

0101	Todd Solomon	Seats (Total: 25)
	TuTh 12:30pm - 1:45pm	SQH 2119

ENGL379F **Special Topics in Literature; Writing About Literature**

ENGL379F Special Topics in Literature: Writing About Literature; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: two lower-level English courses, at least one in literatur e; or permission of department.

0101	Linda Macri	Seats (Total: 22)
	Tu 12:30pm - 1:45pm	SQH 2122
	Th 12:30pm - 1:45pm	SQH 1111

ENGL379G **Special Topics in Literature; International Silent Film History**

ENGL379G Special Topics in Literature: International Silent Film History; (3 credits) Grade Method: REG.
Prerequisite: Two lower-level English courses, at least one in literature; or permission of the department.

0101	Torey Liepa	Seats (Total: 35)
	W 6:00pm - 10:00pm	SQH 1120

ENGL379H **Special Topics in Literature; London Stage**
Contact department for information to register for this course.

ENGL379I **Special Topics in Literature; Literature in Liguria**
Contact department for information to register for this course.

ENGL379K **Special Topics in Literature; New York City and the American Dream**

ENGL379K Special Topics in Literature: New York City and the American Dream; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: two lower-level English courses, at least one in literature; or permission of department.

0101	Ingrid Satelmajer	Seats (Total: 35)
	TuTh 9:30am - 10:45am	SQH 1117

ENGL379O **Special Topics in Literature; Creative Writing and Place**
Contact department for information to register for this course.

ENGL379P **Special Topics in Literature; Seventeenth-Century Comedy**
Contact department for information to register for this course.

ENGL379R **Special Topics in Literature; The Jazz Paradigm**

ENGL379R Special Topics in Literature: The Jazz Paradigm; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as CMLT498L. Prerequisite: Two lower-level English courses, at least one in literature; or permission of the department.

0101	Eugene Robinson	Seats (Total: 35)
	TuTh 2:00pm - 3:15pm	SQH 1107

ENGL379T **Special Topics in Literature; Decades of (Literary) Decisions in Concord and Beyond: 1840-1860**

ENGL379T Special Topics in Literature: Decades of (Literary) Decisions in Concord and Beyond: 1840-1860; (3 credits) Grade Method: REG/P-F/AUD.

0101	Eleanor Heginbotham MW 2:00pm - 3:15pm	Seats (Total: 35) SQH 1101

ENGL379V **Special Topics in Literature; Cinema of Liberation**

ENGL379V Special Topics in Literature: Cinema of Liberation; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as CMLT498N. Prerequisite: Two lower-level English courses, at least one in literature; or permission of the department.

0101	Eugene Robinson TuTh 9:30am - 10:45am	Seats (Total: 35) SQH 1101
0201	Eugene Robinson TuTh 11:00am - 12:15pm	Seats (Total: 35) SQH 1101

ENGL379W **Special Topics in Literature; The Global Western Film**

ENGL379W Special Topics in Literature: The Global Western Film; (3 credits) Grade Method: REG.
Prerequisite: Two lower-level English courses, at least one in literature; or permission of the department.

0101	Torey Liepa Th 6:00pm - 10:00pm	Seats (Total: 35) SQH 1120

ENGL379X **Special Topics in Literature; H.G. Wells and Modern Science Fiction I**
Contact department for information to register for this course.

ENGL379Y **Special Topics in Literature; The London Stage**
Contact department for information to register for this course.

ENGL379Z **Special Topics in Literature; The London Stage**
Contact department for information to register for this course.

ENGL385 **English Semantics**

ENGL385 English Semantics; (3 credits) Grade Method: REG/P-F/AUD.
An introductory study of meaning in language and paralanguage. General semantics, kinesics, linguistic relativity and recent developments in linguistic semantics.

0101	Michael Israel	Seats (Total: 35)
	TuTh 12:30pm - 1:45pm	SQH 1101

ENGL388A **Writing Internship; Second Life Workshop-African American Literature**
Contact department for information to register for this course.

ENGL388D **Writing Internship; Dickinson Electronic Archives**

ENGL388D *(PermReq)* **Writing Internship: Dickinson Electronic Archives; (1-6 credits)** Grade Method: REG/P-F/AUD.

0101	Martha Nell Smith	Seats (Total: 5)
	Contact instructor or department for details.	

ENGL388M **Writing Internship; Maryland General Assembly Pre-Professional Writing Internship**

ENGL388M *(PermReq)* **Writing Internship: Maryland General Assembly Pre-Professional Writing Internship; (1-6 credits)** Grade Method: REG.

0101	Thomas Lowderbaugh	Seats (Total: 30)
	Contact instructor or department for details.	

ENGL388P **Writing Internship; Pre-professional Writing Skills Internship**

ENGL388P *(PermReq)* **Writing Internship: Pre-professional Writing Skills Internship; (1-6 credits)** Grade Method: REG.

0101	Jennifer Dunsmore	Seats (Total: 20)
	Contact instructor or department for details.	

ENGL388R **Writing Internship; Romantic Circles**

ENGL388R *(PermReq)* **Writing Internship: Romantic Circles; (1-6 credits)** Grade Method: REG.

0101	Instructor: TBA Contact instructor or department for details.	Seats (Total: 10)

ENGL388T **Writing Internship; MITH Internships**

ENGL388T *(PermReq)* **Writing Internship: MITH Internships; (1-6 credits)** Grade Method: REG.

0101	Instructor: TBA Contact instructor or department for details.	Seats (Total: 12)

ENGL388W **Writing Internship; Writing Center Internship**

ENGL388W *(PermReq)* **Writing Internship: Writing Center Internship; (1-6 credits)** Grade Method: REG.

0101	Leigh Ryan, Joseph Kautzer W 3:30pm - 6:00pm	Seats (Total: 20) KEY 0103

ENGL390 **Science Writing**

ENGL390 Science Writing; (3 credits) Grade Method: REG.
Prerequisite: 60 credits and completion of ENGL101 or equivalent. This course satisfies the professional writing requirement. Junior standing. Not open to students who have completed ENGL393S. Credit will be granted for only one of the following: ENGL390 or ENGL393S. Formerly ENGL393S. Specifically designed for students interested in further study in the physical and biological sciences. Exposes students to the conventions of scientific prose in the genres of research articles and proposals. Students learn to accommodate scientific information to general audiences. Satisfies professional writing requirement. Click here for more course information.

0101	Mary Shea MWF 9:00am - 9:50am	Seats (Total: 22) SQH 2120
1301	Paul Haynos TuTh 12:30pm - 1:45pm	Seats (Total: 22) KEY 0124

1401	Walter Knorr TuTh 2:00pm - 3:15pm	Seats (Total: 22) SQH 2122
1501	Walter Knorr TuTh 3:30pm - 4:45pm	Seats (Total: 22) SQH 2122
SG91	Paul Haynos WF 9:30am - 10:45am *Registration is restricted to Biological Sciences-Shady Grove majors.*	Seats (Total: 25) SGII 3052

ENGL391 **Advanced Composition**

ENGL391 Advanced Composition; (3 credits) Grade Method: REG.
Prerequisite: 60 credits and completion of ENGL101 or equivalent. This course satisfies the professional writing requirement. An advanced composition course which emphasizes constructing written arguments accommodated to real audiences. Click here for more information on professional writing courses.

0001	Pamela Gerhardt MWF 8:00am - 8:50am	Seats (Total: 22) SQH 1111
0101	Mark Forrester MWF 9:00am - 9:50am	Seats (Total: 22) SQH 2117
0102	Mary Switalski MWF 9:00am - 9:50am	Seats (Total: 22) SQH 1117
0201	Rachel Frier MWF 10:00am - 10:50am	Seats (Total: 22) SQH 2121
0202	Mary Switalski MWF 10:00am - 10:50am	Seats (Total: 22) SQH 2117
0301	Rachel Frier MWF 11:00am - 11:50am	Seats (Total: 22) SQH 2119
0302	Monica Jacobe MF 11:00am - 11:50am W 11:00am - 11:50am	Seats (Total: 22) SQH 1123 SQH 2120

0401	Mark Forrester MWF 12:00pm - 12:50pm	Seats (Total: 22) KEY 0124
0402	Robert Crane MWF 12:00pm - 12:50pm	Seats (Total: 22) KEY 0120
0501	Mark Forrester MWF 1:00pm - 1:50pm	Seats (Total: 22) KEY 0124
0502	Rachel Frier MWF 1:00pm - 1:50pm	Seats (Total: 22) SQH 1111
0503	Liora Moriel MWF 1:00pm - 1:50pm	Seats (Total: 22) SQH 2120
0601	Melanie Faith MW 2:00pm - 3:15pm	Seats (Total: 22) SQH 2112
0701	Reiner Prochaska MW 3:30pm - 4:45pm	Seats (Total: 22) KEY 0124
0801	Reiner Prochaska MW 5:00pm - 6:15pm	Seats (Total: 22) SQH 2117
1101	Kathryn Wagner TuTh 9:30am - 10:45am	Seats (Total: 22) KEY 0123
1201	Kathryn Wagner TuTh 11:00am - 12:15pm	Seats (Total: 22) WDS 1127
1202	Michael Scalise TuTh 11:00am - 12:15pm	Seats (Total: 22) COL 3112
1203	Tyler Mills TuTh 11:00am - 12:15pm	Seats (Total: 22) CSS 2416
1204	Elizabeth Fixsen TuTh 11:00am - 12:15pm	Seats (Total: 22) ARC 1101
1301	Michael Scalise TuTh 12:30pm - 1:45pm	Seats (Total: 22) TYD 1114

1302	Tyler Mills TuTh 12:30pm - 1:45pm	Seats (Total: 22) JMZ 2207
1501	Aparajita De TuTh 3:30pm - 4:45pm	Seats (Total: 22) WDS 0104
1502	Ann Mason TuTh 3:30pm - 4:45pm	Seats (Total: 22) KEY 0120
1505	Aparajita De TuTh 5:00pm - 6:15pm	Seats (Total: 22) SQH 1123
1506	Ann Mason TuTh 5:00pm - 6:15pm	Seats (Total: 22) KEY 0120
1601	Mark Fitzgerald M 6:30pm - 9:10pm	Seats (Total: 22) SQH 2122
1701	Mark Fitzgerald Tu 6:30pm - 9:10pm	Seats (Total: 22) SQH 2120

ENGL391H **Advanced Composition**

ENGL391H Advanced Composition; (3 credits) Grade Method: REG. *Prerequisite: 60 credits and completion of ENGL101 or equivalent. This course satisfies the professional writing requirement.* This course is for students in the University or departmental Honors pro gram. Click here for more information on professional writing courses.

0201	Monica Jacobe MF 10:00am - 10:50am W 10:00am - 10:50am	Seats (Total: 22) SQH 1107 SQH 2120

ENGL392 **Legal Writing**

ENGL392 Legal Writing; (3 credits) Grade Method: REG.
Prerequisite: 60 credits and completion of ENGL101 or equivalent. This course satisfies the professional writing requirement. Conventions of legal writing and research. Students learn how to read and write about cases, statutes or other legislation; how to apply legal principles to fact scenarios; and how to present a written analysis for readers in the legal profession. Assignments may include the law-school application essay, case briefs, legal memos, and client letters. Satisfies professional writing requirement. Click here for more information on professional writing courses.

0201	Robin Earnest MWF 10:00am - 10:50am	Seats (Total: 22) SQH 2122
0301	Robin Earnest MWF 11:00am - 11:50am	Seats (Total: 22) SQH 2122
1101	William Schatz Tu 9:30am - 10:45am Th 9:30am - 10:45am	Seats (Total: 22) SQH 2120 SQH 2119
1201	William Schatz Tu 11:00am - 12:15pm Th 11:00am - 12:15pm	Seats (Total: 22) SQH 2120 SQH 2119
1401	William Schatz Tu 2:00pm - 3:15pm Th 2:00pm - 3:15pm	Seats (Total: 22) SQH 2120 LEF 1221
1601	Michael Winett M 6:30pm - 9:10pm	Seats (Total: 22) SQH 2120
1801	Michael Winett W 6:30pm - 9:10pm	Seats (Total: 22) SQH 2120

ENGL393 **Technical Writing**

ENGL393 Technical Writing; (3 credits) Grade Method: REG.
Prerequisite: 60 credits and completion of ENGL101 or equivalent. This course satisfies the professional writing requirement. The writing of technical papers and reports. Click here for more information on professional writing courses.

0101	Kelli Skinner Eyerly MWF 9:00am - 9:50am	Seats (Total: 22) KEY 0126
0102	Joanna Findlay MWF 9:00am - 9:50am	Seats (Total: 22) KEY 0119
0201	Joanna Findlay MWF 10:00am - 10:50am	Seats (Total: 22) HBK 1112
0202	Joshua Edwards MWF 10:00am - 10:50am	Seats (Total: 22) KEY 0119
0301	Kelli Skinner Eyerly MWF 11:00am - 11:50am	Seats (Total: 22) KEY 0123
0302	Joshua Edwards MWF 11:00am - 11:50am	Seats (Total: 22) TYD 2110
0401	Kelli Skinner Eyerly MWF 12:00pm - 12:50pm	Seats (Total: 22) EDU 0206
0501	Joanna Findlay MWF 1:00pm - 1:50pm	Seats (Total: 22) EDU 3236
0502	Kelli Skinner Eyerly MWF 1:00pm - 1:50pm	Seats (Total: 22) WDS 1127
0503	Joshua Edwards MWF 1:00pm - 1:50pm	Seats (Total: 22) KEY 0119
0601	Daniel Saalfeld M 2:00pm - 3:15pm W 2:00pm - 3:15pm	Seats (Total: 22) SQH 2119 SQH 2122
0602	Joshua Edwards MWF 2:00pm - 2:50pm	Seats (Total: 22) LEF 1222
0701	Daniel Saalfeld M 3:30pm - 4:45pm W 3:30pm - 4:45pm	Seats (Total: 22) SQH 2121 SQH 2122

0702	Louis Eisenhauer MW 3:30pm - 4:45pm	Seats (Total: 22) SQH 2112
0801	Daniel Saalfeld M 5:00pm - 6:15pm W 5:00pm - 6:15pm	Seats (Total: 22) SQH 1111 SQH 2122
0802	Donald McNeilly MW 5:00pm - 6:15pm	Seats (Total: 22) SQH 2121
1001	Connie Inukai TuTh 8:00am - 9:15am	Seats (Total: 22) SQH 2122
1101	Susanna Paul Tu 9:30am - 10:45am Th 9:30am - 10:45am	Seats (Total: 22) SQH 2119 SQH 2120
1102	Kelly Cresap TuTh 9:30am - 10:45am	Seats (Total: 22) TLF 1101
1201	Mark Arnold Tu 11:00am - 12:15pm Th 11:00am - 12:15pm	Seats (Total: 22) SQH 1123 SQH 2122
1202	Susanna Paul Tu 11:00am - 12:15pm Th 11:00am - 12:15pm	Seats (Total: 22) SQH 2119 SQH 2120
1301	Kelly Cresap TuTh 12:30pm - 1:45pm	Seats (Total: 22) TLF 1101
1302	Connie Inukai Tu 12:30pm - 1:45pm Th 12:30pm - 1:45pm	Seats (Total: 22) SQH 1111 SQH 2122
1501	Richie Crider TuTh 3:30pm - 4:45pm	Seats (Total: 22) SQH 2121
1505	Michelle Von Euw TuTh 5:00pm - 6:15pm	Seats (Total: 22) SQH 2120

1506	Richie Crider TuTh 5:00pm - 6:15pm	Seats (Total: 22) HBK 1112
1601	Donald McNeilly M 6:30pm - 9:10pm	Seats (Total: 22) SQH 2117
1701	Kenneth Keiser Tu 6:30pm - 9:10pm	Seats (Total: 22) SQH 1123
1801	Donald McNeilly W 6:30pm - 9:10pm	Seats (Total: 22) SQH 1111
1802	Louis Eisenhauer W 6:30pm - 9:10pm	Seats (Total: 22) SQH 2122
1901	Joseph Wappel Th 6:30pm - 9:10pm	Seats (Total: 22) SQH 2120
1902	Michelle Von Euw Th 6:30pm - 9:10pm	Seats (Total: 22) SQH 1123

ENGL393H **Technical Writing**

ENGL393H Technical Writing; (3 credits) Grade Method: REG.
Prerequisite: 60 credits and completion of ENGL101 or equivalent. This course satisfies the professional writing requirement. This course is for students in the University or departmental Honors pro gram. Click here for more information on professional writing courses.

1501	Joseph Wappel TuTh 3:30pm - 4:45pm	Seats (Total: 22) SQH 2120

ENGL393X **Technical Writing**

ENGL393X Technical Writing; (3 credits) Grade Method: REG.
Prerequisite: 60 credits and completion of ENGL101 or equivalent. This course satisfies the professional writing requirement. Limited to students for whom English is a second language and who have a score below any of the following: SAT Verbal 400, TOEFL 575, CELT 250. Students who have received an "A" in ENGL 101 or its equivalent cannot register for ENGL 393X. Click here for more information on professional writing courses.

1101	Connie Inukai Tu 9:30am - 10:45am Th 9:30am - 10:45am	Seats (Total: 15) SQH 2121 SQH 2122

ENGL394 **Business Writing**

ENGL394 Business Writing; (3 credits) Grade Method: REG.
Prerequisite: 60 credits and completion of ENGL101 or equivalent. This course satisfies the professional writing requirement. Intensive practice in the forms of written communication common in the business world-letters, memos, short reports, and proposals. Principles of rhetoric and effective style. Click here for more information on professional writing courses.

0101	Mary Turner MWF 9:00am - 9:50am	Seats (Total: 22) SQH 1123
0201	Kristine Morrissey MWF 10:00am - 10:50am	Seats (Total: 22) ARC 1103
0302	Mary Turner MWF 11:00am - 11:50am	Seats (Total: 22) KEY 0120
0401	Mary Turner MWF 12:00pm - 12:50pm	Seats (Total: 22) SQH 2119
0601	Ceil Goldberg M 2:00pm - 3:15pm W 2:00pm - 3:15pm	Seats (Total: 22) SQH 2122 SQH 2119
0602	Nicole Pekarske MW 2:00pm - 3:15pm	Seats (Total: 22) SQH 2120

0701	Ceil Goldberg M 3:30pm - 4:45pm W 3:30pm - 4:45pm	Seats (Total: 22) SQH 2122 SQH 2121
0702	Nicole Pekarske MW 3:30pm - 4:45pm	Seats (Total: 22) SQH 2120
0801	Ceil Goldberg M 5:00pm - 6:15pm W 5:00pm - 6:15pm	Seats (Total: 22) SQH 2122 SQH 1111
0802	Rebecca Holden MW 5:00pm - 6:15pm	Seats (Total: 22) SQH 2112
1102	Clare Parsons TuTh 9:30am - 10:45am	Seats (Total: 22) WDS 1127
1103	Rosalia Saklas TuTh 9:30am - 10:45am	Seats (Total: 22) SQH 1107
1201	Clare Parsons TuTh 11:00am - 12:15pm	Seats (Total: 22) ARM 0110
1202	Karen Angeline TuTh 11:00am - 12:15pm	Seats (Total: 22) PLS 1168
1301	Karen Angeline TuTh 12:30pm - 1:45pm	Seats (Total: 22) ARM 0101
1302	William Schatz TuTh 12:30pm - 1:45pm	Seats (Total: 22) SQH 2120
1303	Rosalia Saklas TuTh 12:30pm - 1:45pm	Seats (Total: 22) MMH 3418
1401	Thomas Lowderbaugh Tu 2:00pm - 3:15pm Th 2:00pm - 3:15pm	Seats (Total: 22) KEY 0123 SQH 2120
1402	Frederick Bolton TuTh 2:00pm - 3:15pm	Seats (Total: 22) MMH 3418

1501	Michael Brannan TuTh 3:30pm - 4:45pm	Seats (Total: 22) SQH 1121
1502	Frederick Bolton TuTh 3:30pm - 4:45pm	Seats (Total: 22) SQH 2119
1505	Ellen Blumner TuTh 5:00pm - 6:15pm	Seats (Total: 22) SQH 2122
1506	Michael Brannan TuTh 5:00pm - 6:15pm	Seats (Total: 22) SQH 1121
1701	Ellen Blumner Tu 6:30pm - 9:10pm	Seats (Total: 22) SQH 2122
1801	Rebecca Holden W 6:30pm - 9:10pm	Seats (Total: 22) SQH 1123
1901	Ellen Blumner Th 6:30pm - 9:10pm	Seats (Total: 22) SQH 2122
SG91	Natka Bianchini TuTh 8:00am - 9:15am	Seats (Total: 22) SGI 108
	Registration is restricted to Accounting Shady Grove students only. Ot ers may request enrollmet on a space available basis. UMCP undergraduat e BMGT students are not eligible to enroll at Shady Grove.	
SG92	Natka Bianchini TuTh 9:30am - 10:45am	Seats (Total: 22) SGI 108
	Registration is restricted to Accounting Shady Grove students only. Ot ers may request enrollmet on a space available basis. UMCP undergraduat e BMGT students are not eligible to enroll at Shady Grove.	
SG93	Katherine Wilson TuTh 9:30am - 10:45am	Seats (Total: 22) SGII 1052
	Registration is restricted to Accounting Shady Grove students only. Ot ers may request enrollmet on a space available basis. UMCP undergraduat e BMGT students are not eligible to enroll at Shady Grove.	

SG94	Adam Lloyd TuTh 11:00am - 12:15pm	Seats (Total: 22) SGI 108
	Registration is restricted to Entrepreneurship Shady Grove students onl Others may request enrollment on a space available basis. UMCP undergra duate BMGT students are not eligible to enroll at Shady Grove.	
SG95	Katherine Wilson TuTh 11:00am - 12:15pm	Seats (Total: 22) SGII 1052
	Registration is restricted to Accounting Shady Grove students only. Ot ers may request enrollmet on a space available basis. UMCP undergraduat e BMGT students are not eligible to enroll at Shady Grove.	

ENGL395 **Writing for Health Professions**

ENGL395 Writing for Health Professions; (3 credits) Grade Method: REG. *Prerequisite: 60 credits and completion of ENGL101 or equivalent. This course satisfies the professional writing requirement.* Focus on accommodating technical material and empirical studies to lay audiences, and helping writers to achieve stylistic flexibility and correctness. Click here for more information on professional writing courses.

0601	Grace Crussiah MW 2:00pm - 3:15pm	Seats (Total: 22) JMZ 2117
0701	Grace Crussiah MW 3:30pm - 4:45pm	Seats (Total: 22) TYD 1114
0801	Grace Crussiah MW 5:00pm - 6:15pm	Seats (Total: 22) KEY 0124
0901	Grace Crussiah MW 7:00pm - 8:15pm	Seats (Total: 22) JMZ 1215
1301	Arthur Reynolds TuTh 12:30pm - 1:45pm	Seats (Total: 22) KEY 0121
1401	Arthur Reynolds TuTh 2:00pm - 3:15pm	Seats (Total: 22) KEY 0120

1505	Arthur Reynolds TuTh 5:00pm - 6:15pm	Seats (Total: 20) KEY 0119

ENGL396 **Intermediate Fiction Workshop**

FOR MORE PROFESSIONAL WRITING CLASSES SEE ENGL398*.

ENGL396 *(PermReq)* **Intermediate Fiction Workshop; (3 credits)** Grade Method: REG/P-F/AUD.

Prerequisite: permission of department. Practice in the craft of writing fiction, with special attention to the revision process. Selected readings, frequent writing exercises, workshop format.

0101	William Lewis MW 11:00am - 12:15pm	Seats (Total: 15) SQH 1111

ENGL397 **Intermediate Poetry Workshop**

ENGL397 *(PermReq)* **Intermediate Poetry Workshop; (3 credits)** Grade Method: REG/P-F/AUD.

Prerequisite: permission of department. Practice in the craft of writing poetry, with special attention to the revision process. Selected readings, frequent writing exercises, workshop format.

0101	Lindsay Bernal TuTh 11:00am - 12:15pm	Seats (Total: 15) SQH 3105

ENGL398A **Topics in Professional Writing; Writing for the Arts**

ENGL398A Topics in Professional Writing: Writing for the Arts; (3 credits) Grade Method: REG.

Prerequisite: 60 credits and completion of ENGL101 or equivalent. This course satisfies the professional writing requirement. Click here for more information on professional writing courses.

1101	Caroline Wilkins TuTh 9:30am - 10:45am	Seats (Total: 22) JRN 1105

1201	Caroline Wilkins TuTh 11:00am - 12:15pm	Seats (Total: 22) ARC 1105

ENGL398C **Topics in Professional Writing; Writing Case Studies and Narrative**

ENGL398C Topics in Professional Writing: Writing Case Studies and Narrative; (3 credits) Grade Method: REG.
Prerequisite: 60 credits and completion of ENGL101 or equivalent. This course satisfies the professional writing requirement. Click here for more course information.

0401	Joanna Findlay MWF 12:00pm - 12:50pm	Seats (Total: 22) SQH 2122
SG91	Joseph Wappel TuTh 9:30am - 10:45am *Registration is restricted to Shady Grove students.*	Seats (Total: 22) SGI 101
SG92	Joseph Wappel TuTh 11:00am - 12:15pm *Registration is restricted to Shady Grove students.*	Seats (Total: 22) SGI 101

ENGL398E **Topics in Professional Writing; Writing about Economics**

ENGL398E Topics in Professional Writing: Writing about Economics; (3 credits) Grade Method: REG.
Prerequisite: 60 credits and completion of ENGL101 or equivalent. This course satisfies the professional writing requirement. Click here for more course information.

0801	Michael Winett MW 5:00pm - 6:15pm	Seats (Total: 22) SQH 2120

ENGL398L **Topics in Professional Writing; Scholarly Writing in the Humanities**

ENGL398L Topics in Professional Writing: Scholarly Writing in the Humanities; (3 credits) Grade Method: REG.
P:60 credits and completion of ENGL101 oe. This course satisfies the professional writing requirement.An advanced composition class focusing on the norms and procedures of advanced academic writing. Click here for more information.

0301	Mark Forrester MWF 11:00am - 11:50am	Seats (Total: 22) KEY 0124

ENGL398N **Topics in Professional Writing; Writing for Non-Profit Organizations**

ENGL398N Topics in Professional Writing: Writing for Non-Profit Organizations; (3 credits) Grade Method: REG.
Prerequisite: 60 credits and completion of ENGL101 or equivalent. This course satisfies the professional writing requirement. Click here for more course information.

1101	Todd Solomon Tu 9:30am - 10:45am Th 9:30am - 10:45am	Seats (Total: 22) SQH 2122 SQH 2121
1201	Todd Solomon Tu 11:00am - 12:15pm Th 11:00am - 12:15pm	Seats (Total: 22) SQH 2122 SQH 1123
SG91	Natka Bianchini TuTh 11:00am - 12:15pm	Seats (Total: 22) SG3 2220 *Registration is restricted to COMM students enrolled in the Shady Grove BA program.*

ENGL398R **Topics in Professional Writing; Writing Non-Fictional Narratives**

ENGL398R Topics in Professional Writing: Writing Non-Fictional Narratives; (3 credits) Grade Method: REG.
Prerequisite: 60 credits and completion of ENGL101 or equivalent. This course satisfies the professional writing requirement. Click here for more course information.

0101	Pamela Gerhardt MWF 9:00am - 9:50am	Seats (Total: 22) SQH 2122

ENGL398V **Topics in Professional Writing; Writing about the Environment**

ENGL398V Topics in Professional Writing: Writing about the Environment; (3 credits) Grade Method: REG.
Prerequisite: 60 credits and completion of ENGL101 or equivalent. This course satisfies the professional writing requirement. Click here for more course information.

0201	Mary Shea MF 10:00am - 10:50am W 10:00am - 10:50am	Seats (Total: 22) SQH 2120 SQH 1107
0301	Mary Shea MF 11:00am - 11:50am W 11:00am - 11:50am	Seats (Total: 22) SQH 2120 SQH 1123

ENGL402 **Chaucer**

ENGL402 Chaucer; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: two English courses in literature or permission of department. Works read in Middle English. Readings may include Canterbury Tales, Troilus and Criseyde, dream visions, lyrics.

0101	Charles Rutherford TuTh 9:30am - 10:45am	Seats (Total: 30) KEY 0120

ENGL403 **Shakespeare: The Early Works**

ENGL403 Shakespeare: The Early Works; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: two English courses in literature or permission of department. Close study of selected works from the first half of Shakespeare's career. Generic issues of early histories, comedies, tragedies. Language, theme, dramatic technique, sources, and early modern English social-historical context.

0101	Kimberly Coles MW 3:30pm - 4:45pm	Seats (Total: 30) SQH 1105

ENGL404 **Shakespeare: The Later Works**

ENGL404 Shakespeare: The Later Works; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: two English courses in literature or permission of department. Close study of selected plays from the second half of Shakespeare's career. Generic issues of later tragedies, later comedies, romances. Language, theme, dramatic technique, sources, and early modern English social-historical context.

0101	Gerard Passannante MW 11:00am - 12:15pm	Seats (Total: 30) SQH 2117

ENGL407 **Non-dramatic Literature of the Sixteenth Century**

ENGL407 Non-dramatic Literature of the Sixteenth Century; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: two English courses in literature or permission of department. Poetic and prose genres--utopia, epic, narrative, lyric, sonnet, oration, epistle, sermon, apologia--in context of the literary and intellectual life of the sixteenth century. Writers such as More, Wyatt, Surrey, Sidney, and Spenser.

0101	Elizabeth Bearden TuTh 11:00am - 12:15pm	Seats (Total: 30) SQH 1121

ENGL410 **Edmund Spenser**

ENGL410 Edmund Spenser; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: two English courses in literature or permission of department. Selected works of Edmund Spenser in their literary, social, and historical contexts. Special attention to The Faerie Queene; also sonnets and lyric poetry.

0101	Kimberly Coles MW 12:30pm - 1:45pm	Seats (Total: 30) SQH 1119

ENGL414 **Milton**

ENGL414 Milton; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: two English courses in literature or permission of department. Poetry and major prose in their social, political, and literary-historical contexts. Special attention to Paradise Lost. Other works may include Samson Agonistes and shorter poems.

0101	Marshall Grossman MW 3:30pm - 4:45pm	Seats (Total: 30) SQH 1103

ENGL419A **Major British Writers after 1800; Virginia Woolf and D.H. Lawrence**

ENGL419A Major British Writers after 1800: Virginia Woolf and D.H. Lawrence; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: two English courses in literature or permission of department.

0101	Christina Walter	Seats (Total: 30)
	TuTh 3:30pm - 4:45pm	KEY 0121

ENGL420 **English Romantic Literature**

ENGL420 English Romantic Literature; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: two lower level English courses, at least one in literature; or permission of department.* British poetry, drama, fiction, and criticism c.1790 to c.1830, a period of dramatic social change and revolution in literature, philosophy, the arts, industry, and politics. Authors include Austen, Wordsworth, Coleridge, Keats, Byron, Percy, and Mary Shelley.

0101	Orrin Wang	Seats (Total: 30)
	TuTh 2:00pm - 3:15pm	SQH 1121

ENGL428D **Seminar in Language and Literature; Women, Rhetoric and Abolition**

ENGL428D Seminar in Language and Literature: Women, Rhetoric and Abolition; (3 credits) Grade Method: REG/P-F/AUD.
Junior standing. For ENGL majors only. Repeatable to 9 credits if content differs.

0101	Shirley Logan	Seats (Total: 25)
	MW 2:00pm - 3:15pm	SQH 1107

ENGL428X **Seminar in Language and Literature; Renaissance Romance: Subversion and Delight**

ENGL428X *(PermReq)* **Seminar in Language and Literature: Renaissance Romance: Subversion and Delight; (3 credits)** Grade Method: REG/P-F/AUD.
Junior standing. For ENGL majors only. Repeatable to 9 credits if content differs. Course restricted to English Honors Program. Permission from the Director of Honors required.

0101	Elizabeth Bearden	Seats (Total: 20)
	TuTh 2:00pm - 3:15pm	SQH 3105

ENGL428Y **Seminar in Language and Literature; Victorian Cosmopolitanisms**

ENGL428Y *(PermReq)* **Seminar in Language and Literature: Victorian Cosmopolitanisms; (3 credits)** Grade Method: REG/P-F/AUD.
Junior standing. For ENGL majors only. Repeatable to 9 credits if content differs. Course restricted to English Honors Program. Permission from the Director of Honors required.

0101	Jason Rudy	Seats (Total: 20)
	MW 12:30pm - 1:45pm	SQH 3105

ENGL429 **Independent Research in English**

ENGL429 *(PermReq)* **Independent Research in English; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: ENGL301 and two English courses, excluding Fundamental Studies requirement.

Contact department for information to register for this course.

ENGL433 **American Literature: 1914 to the Present, the Modern Period**

ENGL433 American Literature: 1914 to the Present, the Modern Period; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: two English courses in literature or permission of department.
Modernism, Postmodernism. Writers such as Stevens, Stein, Ellison.

0101	David Wyatt	Seats (Total: 30)
	TuTh 2:00pm - 3:15pm	SQH 1105

ENGL435 **American Poetry: Beginning to the Present**

ENGL435 American Poetry: Beginning to the Present; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: two English courses in literature or permission of department. Selections of American poetry, from Bradstreet to contemporary free verse. Authors such as Whitman, Dickinson, Bishop, Hughes, Rich, and Frost.

0101	Martha Nell Smith	Seats (Total: 30)
	TuTh 3:30pm - 4:45pm	SQH 1117

ENGL437 **Contemporary American Literature**

ENGL437 Contemporary American Literature; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: two English courses in literature or permission of department. Prose, poetry, drama of living American writers. Current cultural and social issues.

0101	Randy Ontiveros	Seats (Total: 30)
	MW 3:30pm - 4:45pm	SQH 1101

ENGL440 **The Novel in America to 1914**

ENGL440 The Novel in America to 1914; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: two English courses in literature or permission of department. Survey of the American novel to World War I. Cultural and philosophical contexts; technical developments in the genre. Authors such as Melville, Wells Brown, James, Sedgwick, Chopin.

0101	John Auchard	Seats (Total: 30)
	TuTh 9:30am - 10:45am	SQH 2117

ENGL446 **Post-Modern British and American Poetry**
Contact department for information to register for this course.

ENGL454 **Modern Drama**

ENGL454 Modern Drama; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: two English courses in literature or permission of department. The roots of European Modernism and its manifestation in the drama of the twentieth century. Such playwrights as Beckett, Churchill, Stoppard, Wilde, Chekhov, Ibsen, Brecht, O'Neill, Sartre, Anouilh, Williams, and Shaw. Prerequisite: Two English courses in literature or permission of departm ent

0101	Michael Olmert	Seats (Total: 35)
	MW 3:30pm - 4:45pm	SQH 1119

ENGL455 **The Eighteenth-Century English Novel**

ENGL455 The Eighteenth-Century English Novel; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: two English courses in literature or permission of department. The origins and development of the British novel, from the late seventeenth century until the beginning of the nineteenth. Questions about what novels were, who wrote them, and who read them. Authors such as Behn, Defoe, Richardson, Fielding, Sterne, Smollett, Burney, Radcliffe, and Austen.

0101	Tita Chico	Seats (Total: 30)
	TuTh 11:00am - 12:15pm	SQH 1107

ENGL456 **The Nineteenth-Century English Novel**

ENGL456 The Nineteenth-Century English Novel; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: two English courses in literature or permission of department. Surveys major novels of the period. Attention to narrative form and realism; representations of gender and class; social contexts for reading, writing and publishing. Authors such as Austen, Bronte, Dickens, George Eliot, Trollope.

0101	William Cohen	Seats (Total: 30)
	TuTh 12:30pm - 1:45pm	SQH 1103

ENGL458Z **Literature by Women after 1800**
Contact department for information to register for this course.

ENGL459Z **Selected Topics in Sexuality and Literature; Literature By Women After 1800**
Contact department for information to register for this course.

ENGL462 **Folksong and Ballad**

ENGL462 Folksong and Ballad; (3 credits) Grade Method: REG/P-F/AUD.
A cross-section of American folk and popular songs in their cultural contexts; artists from Bill Monroe to Robert Johnson.

0101	Barry Pearson	Seats (Total: 30)
	TuTh 11:00am - 12:15pm	SQH 2117

ENGL466 **Arthurian Legend**

ENGL466 Arthurian Legend; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: two English courses in literature or permission of department. Development of Arthurian legend in English and continental literature from Middle Ages to twentieth century. All readings in modern English.

0101	Verlyn Flieger	Seats (Total: 30)
	MW 12:30pm - 1:45pm	SQH 1121

ENGL467 **Computer and Text**

ENGL467 Computer and Text; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: One English course in literature or permission of department. Examines electronic literature and other aspects of digital textuality. Topics may include interactive fiction, hypertext, image and sound works, literary games and simulations. Emphasis on critical and theoretical approaches rather than design or programming.

0101	Kari Kraus	Seats (Total: 30)
	TuTh 3:30pm - 4:45pm	SQH 2112

ENGL470 **African-American Literature: The Beginning to 1910**

ENGL470 African-American Literature: The Beginning to 1910; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: two English courses in literature or permission of department. Beginnings of African-American literature including origins of literary expression in folk tales, songs, and spirituals; slave narratives; pamphlets, essays and oratory; and the emergence of poetry and fiction. Emphasis is on interaction between literary forms and the salient political issues of the day.

0101	Carla Peterson	Seats (Total: 30)
	TuTh 2:00pm - 3:15pm	SQH 1103

ENGL478A **Selected Topics in English and American Literature before 1800; Eighteenth-Century Poetry**
Contact department for information to register for this course.

ENGL478B **Selected Topics in English and American Literature before 1800; Shakespeare's Sonnets**

ENGL478B Selected Topics in English and American Literature before 1800: Shakespeare's Sonnets; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: two English courses in literature or permission of the department.

0101	Marshall Grossman	Seats (Total: 30)
	MW 2:00pm - 3:15pm	SQH 1105

ENGL478D **Selected Topics in English and American Literature before 1800; Jacobean and Caroline Tragedy**
Contact department for information to register for this course.

ENGL478R **Selected Topics in English and American Literature before 1800; The Reception of Antiquity and the Idea of the Past**

ENGL478R Selected Topics in English and American Literature before 1800: The Reception of Antiquity and the Idea of the Past; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: two English courses in literature or permission of department.

0101	Gerard Passannante	Seats (Total: 30)
	MW 2:00pm - 3:15pm	SQH 1117

ENGL479E **Selected Topics in English and American Literature after 1800; Caribbean Literature by Women**

ENGL479E Selected Topics in English and American Literature after 1800: Caribbean Literature by Women; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: two English courses in literature or permission of the department.

0101	Merle Collins	Seats (Total: 30)
	TuTh 2:00pm - 3:15pm	SQH 1117

ENGL479F **Selected Topics in English and American Literature after 1800; Roots Music and Film**

ENGL479F Selected Topics in English and American Literature after 1800: Roots Music and Film; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: two English courses in literature or permission of the department.

0101	Barry Pearson	Seats (Total: 30)
	TuTh 3:30pm - 4:45pm	SQH 1107

ENGL479G **Selected Topics in English and American Literature after 1800; Experimental Fiction and Narrative Theory**

ENGL479G Selected Topics in English and American Literature after 1800: Experimental Fiction and Narrative Theory; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: two English courses in literature or permission of department.

0101	Brian Richardson	Seats (Total: 30)
	MW 3:30pm - 4:45pm	SQH 1117

ENGL479I **Selected Topics in English and American Literature after 1800; Modern Irish Literature**
Contact department for information to register for this course.

ENGL479K **Selected Topics in English and American Literature after 1800; Romantic Poetry**
Contact department for information to register for this course.

ENGL479M **Selected Topics in English and American Literature after 1800; Modernism and Modernity**
Contact department for information to register for this course.

ENGL482 **History of the English Language**

ENGL482 History of the English Language; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ENGL280 or LING200 or permission of department. Origin and development of the English language.

0101	Michael Israel	Seats (Total: 30)
	TuTh 3:30pm - 4:45pm	SQH 2117

ENGL487 **Foundations of Rhetoric**

ENGL487 Foundations of Rhetoric; (3 credits) Grade Method: REG/P-F/AUD.
Credit will be granted for only one of the following: ENGL487 or COMM401. Principles and approaches to the theory, criticism, and historical understanding of rhetorical discourse.

0101	Vessela Valiavitcharska	Seats (Total: 30)
	MW 11:00am - 12:15pm	SQH 1117

ENGL489L **Special Topics in English Language; Language and Humor**

ENGL489L Special Topics in English Language: Language and Humor; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: two English courses in literature or permission of department.

0101	Linda Coleman	Seats (Total: 30)
	TuTh 9:30am - 10:45am	SQH 1121

ENGL495 **Independent Study in Honors**

ENGL495 *(PermReq)* **Independent Study in Honors; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisites: Candidacy for honors in English and ENGL370 and ENGL373. For ENGL majors only. Completion and presentation of the senior honors project. For English honors students by permission of the department.

Contact department for information to register for this course.

ENGL498 **Advanced Fiction Workshop**

ENGL498 *(PermReq)* **Advanced Fiction Workshop; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: ENGL 396 or permission of department.

0101	Howard Norman	Seats (Total: 15)
	M 11:00am - 1:30pm	SQH 2123

ENGL499 **Advanced Poetry Workshop**

ENGL499 *(PermReq)* **Advanced Poetry Workshop; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: ENGL397 or permission of department.

0101	Elizabeth Arnold	Seats (Total: 15)
	Tu 2:00pm - 4:30pm	SQH 1111

ENGL607 **Readings in the History of Rhetorical Theory to 1900**

ENGL607 Readings in the History of Rhetorical Theory to 1900; (3 credits) Grade Method: REG/AUD.
Earlier theories of effective written discourse surveyed historically and as influenced by ethical, technical, and social change.

0101	Vessela Valiavitcharska M 3:30pm - 6:00pm	Seats (Total: 16) SQH 2119

ENGL631 **Readings in 20th Century American Literature**

ENGL631 Readings in 20th Century American Literature; (3 credits) Grade Method: REG/AUD.

0101	David Wyatt W 3:30pm - 6:00pm	Seats (Total: 16) SQH 2119

ENGL688 **Poetry Workshop**

ENGL688 *(PermReq)* **Poetry Workshop; (3 credits)** Grade Method: REG/AUD.

0101	Michael Collier W 3:30pm - 6:00pm	Seats (Total: 10) SQH 4116
0201	Elizabeth Arnold W 3:30pm - 6:00pm	Seats (Total: 10) SQH 3109

ENGL689 **Fiction Workshop**

ENGL689 *(PermReq)* **Fiction Workshop; (3 credits)** Grade Method: REG/AUD.

0101	William Lewis W 3:30pm - 6:00pm	Seats (Total: 10) SQH 2123
0201	Howard Norman W 3:30pm - 6:00pm	Seats (Total: 10) SQH 3105

ENGL699 **Independent Study**

ENGL699 *(PermReq)* **Independent Study; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENGL702 **Cultures of Theory**

ENGL702 *(PermReq)* **Cultures of Theory; (3 credits)** Grade Method: REG/AUD. *Prerequisite: An introductory course in critical theory.* An exploration of the socio-historic, material, and cultural contexts of various theoretical practices and traditions.

0101	Brian Richardson M 6:30pm - 9:00pm	Seats (Total: 12) SQH 3105

ENGL709A **Seminar in Myth; Tolkien on War**

ENGL709A *(PermReq)* **Seminar in Myth: Tolkien on War; (3 credits)** Grade Method: REG/AUD.

0101	Verlyn Flieger M 3:30pm - 6:00pm	Seats (Total: 12) SQH 3109

ENGL718A **Seminar in Medieval Literature; Medieval Drama and Its Afterlives**

ENGL718A *(PermReq)* **Seminar in Medieval Literature: Medieval Drama and Its Afterlives; (3 credits)** Grade Method: REG/AUD.

0101	Theresa Coletti Tu 6:30pm - 9:00pm	Seats (Total: 12) SQH 3109

ENGL719B **Seminar in Renaissance Literature; Montaigne and Shakespeare**

ENGL719B *(PermReq)* **Seminar in Renaissance Literature: Montaigne and Shakespeare; (3 credits)** Grade Method: REG/AUD.

0101	Theodore Leinwand Th 3:30pm - 6:00pm	Seats (Total: 12) SQH 3105

ENGL729A **Seminar in Eighteenth-Century Literature; Experimentalism: literature, Science, Theory.**

ENGL729A *(PermReq)* **Seminar in Eighteenth-Century Literature: Experimentalism: literature, Science, Theory.; (3 credits)** Grade Method: REG/AUD.

0101	Tita Chico	Seats (Total: 12)
	Tu 3:30pm - 6:00pm	SQH 3109

ENGL738B **Seminar in Nineteenth-Century Literature; Gothic Spaces: Gender, History, and Romantic Memory**

ENGL738B *(PermReq)* **Seminar in Nineteenth-Century Literature: Gothic Spaces: Gender, History, and Romantic Memory; (3 credits)** Grade Method: REG/AUD.

0101	Orrin Wang	Seats (Total: 12)
	Th 6:30pm - 9:00pm	SQH 3109

ENGL748B **Seminar in American Literature; Texts of the Black Atlantic, 1680-1900**

ENGL748B *(PermReq)* **Seminar in American Literature: Texts of the Black Atlantic, 1680-1900; (3 credits)** Grade Method: REG/AUD.

0101	Carla Peterson	Seats (Total: 12)
	Th 6:30pm - 9:00pm	SQH 3105

ENGL748C **Seminar in American Literature; American Modernity/Modernism:Contemporary Approaches**

ENGL748C *(PermReq)* **Seminar in American Literature: American Modernity/Modernism:Contemporary Approaches; (3 credits)** Grade Method: REG/AUD.

0101	Peter Mallios	Seats (Total: 12)
	Tu 3:30pm - 6:00pm	SQH 3105

ENGL749A **Studies in Twentieth-Century Literature; Trans Lit**

ENGL749A *(PermReq)* **Studies in Twentieth-Century Literature: Trans Lit; (3 credits)** Grade Method: REG/AUD.
Prerequisite: permission of department.

0101	Marilee Lindemann	Seats (Total: 12)
	Tu 6:30pm - 9:00pm	SQH 3105

ENGL749B **Studies in Twentieth-Century Literature; Ethics of Representation and the Literature of the Holocaust**

ENGL749B *(PermReq)* **Studies in Twentieth-Century Literature: Ethics of Representation and the Literature of the Holocaust; (3 credits)** Grade Method: REG/AUD.

Also offered as JWST678.

0101	Sheila Jelen	Seats (Total: 13)
	Th 3:30pm - 6:00pm	SQH 2123

ENGL788 **Studies in Poetic Form**

ENGL788 *(PermReq)* **Studies in Poetic Form; (3 credits)** Grade Method: REG/AUD.

0101	Michael Collier	Seats (Total: 12)
	Th 3:30pm - 6:00pm	SQH 4116

ENGL789 **Form and Theory in Fiction**

ENGL789 *(PermReq)* **Form and Theory in Fiction; (3 credits)** Grade Method: REG/AUD.

0101	Merrill Feitell	Seats (Total: 12)
	Th 3:30pm - 6:00pm	SQH 3109

ENGL798B **Critical Theory Colloquium**

ENGL798B *(PermReq)* **Critical Theory Colloquium; (1 credit)** Grade Method: REG/AUD.

0101	Kandice Chuh	Seats (Total: 15)
	Contact instructor or department for details.	

ENGL799 **Master's Thesis Research**

ENGL799 *(PermReq)* **Master's Thesis Research; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENGL878 **Pedagogical Mentoring for Doctoral Students**

ENGL878 *(PermReq)* **Pedagogical Mentoring for Doctoral Students; (1-3 credits)** Grade Method: S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENGL898 **Pre-Candidacy Research**

ENGL898 *(PermReq)* **Pre-Candidacy Research; (1-8 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENGL899 **Doctoral Dissertation Research**

ENGL899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENMA Engineering, Materials Spring 2009

ENMA300 **Introduction to Materials and their Applications**

ENMA300 Introduction to Materials and their Applications; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ENES100 or permission of department. Corequisite: MATH241. Recommended: PHYS260 and PHYS261. Not open to students who have completed ENES230. Credit will be granted for only one of the following: ENES230 or ENMA300. Structure of materials, chemical composition, phase transformations, corrosion and mechanical properties of metals, ceramics, polymers and related materials. Materials selection in engineering applications.

0101	Oded Rabin	Seats (Total: 80)	
	TuTh 9:30am - 10:45am	CHE 2110	

ENMA311 **Materials Laboratory II: Electromagnetic Properties**

ENMA311 Materials Laboratory II: Electromagnetic Properties; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisites: ENMA310 and ENMA460. Junior standing. Characterization of the electromagnetic properties of materials. Laboratories will include measurements of electrical and transport properties, index of refraction, and magnetic properties.

0101	Luz Martinez-Miranda	Seats (Total: 10)	
	W 9:00am - 9:50am	KEB 1135	
	M 9:00am - 11:50am	KEB 1135	Lab
	W 10:00am - 11:50am	KEB 1135	Lab

ENMA420 **Intermediate Ceramics**

ENMA420 Intermediate Ceramics; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisites: ENMA300, ENMA470, and ENMA471 or permission of department. To introduce basic concepts such as crystal chemistry, defect chemistry and ternary phase equilibria which can also be used to illustrate the various types of advanced ceramics (superconductors; superionic conductors; dielectrics including ferroelectrics; optical materials; high temperature structural materials; etc.) and allow an understanding of their behaviors.

0101	Isabel Lloyd	Seats (Total: 25)
	TuTh 2:00pm - 3:15pm	CHE 2145

ENMA425 **Introduction to Biomaterials**

ENMA425 Introduction to Biomaterials; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: permission of department. Recommended: ENMA300. Credit will be granted for only one of the following: ENMA489W or ENMA425. Formerly ENMA489W.* Examination of materials used in humans and other biological systems in terms of the relationships between structure, fundamental properties and functional behavior. Replacement materials such as implants, assistive devices such as insulin pumps and pacemakers, drug delivery systems, biosensors, engineered materials such as artificial skin and bone growth scaffolds, and biocompatibility will be covered. Also offered as BIOE453.

0101	Joonil Seog	Seats (Total: 60)
	TuTh 11:00am - 12:15pm	ANS 0422

ENMA440 **Nano Plasma Processing of Materials**

ENMA440 Nano Plasma Processing of Materials; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: permission of department. Credit will be granted for only one of the following: ENMA440, ENMA489P, ENMA640, or ENMA698P. Formerly ENMA489P. Sustaining mechanisms of plasmas are covered, especially low-pressure electrical gas discharges, fundamental plasma physics, sheath formation, electric and magnetic field effects, plasma-surface interactions in chemically reactive systems, plasma diagnostic techniques and selected industrial applications of low pressure plasmas. Also offered as ENMA640.

0101	Gottlieb Oehrlein	Seats (Total: 25)
	TuTh 11:00am - 12:15pm	CHE 2145

ENMA461 **Thermodynamics of Materials**

ENMA461 Thermodynamics of Materials; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ENMA300. Junior standing. Thermodynamic aspects of materials; basic concepts and their application in design and processing of materials and systems. Topics include: energy, entropy, adiabatic and isothermal processes, internal and free energy, heat capacity, phase equilibria and surfaces and interfaces.

0101	Alexander Roytburd	Seats (Total: 15)
	TuTh 11:00am - 12:15pm	CHE 2140

ENMA464 **Environmental Effects on Engineering Materials**

ENMA464 Environmental Effects on Engineering Materials; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ENMA300 or permission of both department and instructor. Introduction to the phenomena associated with the resistance of materials to damage under severe environmental conditions. Oxidation, corrosion, stress corrosion, corrosion fatigue and radiation damage are examined from the point of view of mechanism and influence on the properties of materials. Methods of corrosion protection and criteria for selection of materials for use in radiation environments.

0101	Sreeramamurthy Ankem	Seats (Total: 20)
	MW 3:30pm - 4:45pm	CHE 2145

ENMA465 **Microprocessing Materials**

ENMA465 Microprocessing Materials; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ENMA300. Also offered as ENMA489B. Credit will be granted for only one of the following: ENMA363, ENMA489B, or ENMA465. Formerly ENMA363. Micro and nanoscale processing of materials. Emphasis on thin film processing for advanced technologies.

0101	Ichiro Takeuchi	Seats (Total: 20)
	TuTh 12:30pm - 1:45pm	CSI 3118

ENMA489 **Selected Topics in Engineering Materials**

ENMA489 Selected Topics in Engineering Materials; (3 credits) Grade Method: REG/P-F/AUD.

0101	Instructor: TBA	Seats (Total: 5)
	Contact instructor or department for details.	

ENMA489J **Selected Topics in Engineering Materials; Introduction to Electron Microscopy**

ENMA489J Selected Topics in Engineering Materials: Introduction to Electron Microscopy; (3 credits) Grade Method: REG/P-F/AUD.

0101	John Cumings	Seats (Total: 24)	
	TuTh 9:30am - 10:45am	CHE 2145	

ENMA489R **Selected Topics in Engineering Materials; Reliability of Materials**

ENMA489R Selected Topics in Engineering Materials: Reliability of Materials; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as ENRE625 and ENNU648M.

0101	Aristos Christou	Seats (Total: 25)	
	TuTh 3:30pm - 4:45pm	CHE 2145	
ER01	Aristos Christou	Seats (Total: 10)	
	Contact instructor or department for details.		

ENMA489X **Selected Topics in Engineering Materials; Physics, Material Chemistry and Device Applications at the Nanoscale**

ENMA489X Selected Topics in Engineering Materials: Physics, Material Chemistry and Device Applications at the Nanoscale; (3 credits) Grade Method: REG/P-F/AUD.

0101	Min Ouyang	Seats (Total: 10)	
	Tu 2:00pm - 5:00pm	KEB 1135	Lab

ENMA490 **Materials Design**

ENMA490 Materials Design; (3 credits) Grade Method: REG/P-F/AUD.
Senior standing. Capstone design course. Students work in teams on projects evaluating a society or industry based materials problem and then design and evaluate a strategy to minimize or eliminate the problem; includes written and oral presentations.

0101	Raymond Phaneuf	Seats (Total: 10)	
	MW 12:00pm - 2:50pm	CHE 2140	

ENMA499 **Senior Laboratory Project**

ENMA499 *(PermReq)* **Senior Laboratory Project; (1-3 credits)** Grade Method: REG/P-F/AUD.

0101	Sreeramamurthy Ankem	Seats (Total: 15)
	Contact instructor or department for details.	

ENMA620 **Polymer Physics**

ENMA620 Polymer Physics; (3 credits) Grade Method: REG/AUD.
Prerequisite: ENMA 470 and ENMA 471 or permission of instructor. The thermodynamics, structure, morphology and properties of polymers. Developing an understanding of the relationships between theory and observed behavior in polymeric materials.

0101	Mohamad Al-Sheikhly	Seats (Total: 25)
	MW 5:00pm - 6:15pm	CHE 2118

ENMA625 **Biomaterials**

ENMA625 Biomaterials; (3 credits) Grade Method: REG/AUD.
Prerequisite: permission of department. Also offered as ENMA425. Credit will be granted for only one of the following: ENMA425, ENMA698I, BIOE698I, or ENBE453. Formerly ENMA698I. Examination of materials used in humans and other biological systems in terms of the relationships between structure, fundamental properties and functional behavior. Replacement materials such as implants, assistive devices such as insulin pumps and pacemakers, drug delivery systems, biosensors, engineered materials such as artificial skin and bone growth scaffolds, and biocompatibility will be covered.

0101	Joonil Seog	Seats (Total: 60)
	TuTh 11:00am - 12:15pm	ANS 0422

ENMA640 **Advanced Nano Processing of Materials with Plasma**

ENMA640 Advanced Nano Processing of Materials with Plasma; (3 credits) Grade Method: REG/AUD.
Prerequisite: permission of department. Credit will be granted for only one of the following: ENMA440, ENMA489P, ENMA698P or ENMA640. Formerly ENMA698P. Plasmas are used to control the micro-and Nanoscale level structure of materials including patterning at the micro-and nanoscale level using plasma etching techniques. The course establishes the scientific understanding required for the efficient production of nano-structure using plasma techniques. Also offered as ENMA440.

0101	Gottlieb Oehrlein TuTh 11:00am - 12:15pm	Seats (Total: 25) CHE 2145

ENMA661 **Kinetics of Reactions in Materials**

ENMA661 Kinetics of Reactions in Materials; (3 credits) Grade Method: REG/AUD.
Prerequisite: ENMA 660. The theory of thermally activated processes in solids as applied to diffusion, nucleation and interface motion. Cooperative and diffusionless transformations. Applications selected from processes such as allotropic transformations, precipitation, martensite formation, solidification, ordering, and corrosion.

0101	Manfred Wuttig TuTh 3:30pm - 4:45pm	Seats (Total: 25) CHE 2108

ENMA671 **Defects in Materials**

ENMA671 *(PermReq)* **Defects in Materials; (3 credits)** Grade Method: REG/AUD.
Prerequisite: permission of department. Fundamental aspects of point (electronic and atomic) defects, dislocations, and surfaces and interfaces in materials. Defect interactions, defect models, and effects of zero, one and two dimensional defects on material behavior.

0101	Lourdes Salamanca-Riba MW 3:30pm - 4:45pm	Seats (Total: 28) EGR 0108

ENMA688 **Seminar in Materials Science and Engineering**

ENMA688 Seminar in Materials Science and Engineering; (1 credit) Grade Method: REG/AUD.

0101	Gottlieb Oehrlein F 1:00pm - 2:30pm	Seats (Total: 28) CHE 2108

ENMA698 **Special Problems in Materials Science and Engineering**

ENMA698 *(PermReq)* **Special Problems in Materials Science and Engineering; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENMA698B **Special Problems in Materials Science and Engineering; Advanced Environmental Effects**

ENMA698B Special Problems in Materials Science and Engineering: Advanced Environmental Effects; (3 credits) Grade Method: REG/AUD.

0101	Sreeramamurthy Ankem MW 3:30pm - 4:45pm	Seats (Total: 20) CHE 2145

ENMA698C **Special Problems in Materials Science and Engineering; Advanced Ceramics**

ENMA698C Special Problems in Materials Science and Engineering: Advanced Ceramics; (1-3 credits) Grade Method: REG/AUD.

0101	Isabel Lloyd TuTh 2:00pm - 3:15pm	Seats (Total: 25) CHE 2145

ENMA698E **Special Problems in Materials Science and Engineering; Electron Microscopy Laboratory**

ENMA698E Special Problems in Materials Science and Engineering: Electron Microscopy Laboratory; (1-3 credits) Grade Method: REG/AUD.

0101	Wen-An Chiou Tu 9:00am - 11:00am	Seats (Total: 6) KEB 1237
0201	Wen-An Chiou W 9:00am - 11:00am	Seats (Total: 6) KEB 1237

ENMA698J **Special Problems in Materials Science and Engineering; Electron Microscopy**

ENMA698J Special Problems in Materials Science and Engineering: Electron Microscopy; (3 credits) Grade Method: REG/AUD.

0101	John Cumings	Seats (Total: 24)
	TuTh 9:30am - 10:45am	CHE 2145

ENMA698O **Special Problems in Materials Science and Engineering; Advanced Manufacturing with Polymers**

ENMA698O Special Problems in Materials Science and Engineering: Advanced Manufacturing with Polymers; (1-3 credits) Grade Method: REG/AUD.

0101	David Bigio	Seats (Total: 10)
	TuTh 5:00pm - 6:15pm	EGR 1110

ENMA799 **Master's Thesis Research**

ENMA799 Master's Thesis Research; (1-6 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENMA898 **Pre-Candidacy Research**

ENMA898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENMA899 **Doctoral Dissertation Research**

ENMA899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENME Engineering, Mechanical Spring 2009

ENME201 **Careers in Mechanical Engineering**

ENME201 Careers in Mechanical Engineering; (1 credit) Grade Method: S-F. The Mechanical Engineering Curriculum, Career Paths. Research areas in the Mechanical Engineering Department. The Mechanical Engineering Profession.

0101	David Bigio W 12:00pm - 12:50pm	Seats (Total: 50) CHE 2108	

ENME232 **Thermodynamics**

ENME232 *(PermReq)* **Thermodynamics; (3 credits)** Grade Method: REG/P-F/AUD. *Prerequisite: PHYS260 and PHYS261 (Formerly: PHYS262).* Introduction to thermodynamics. Thermodynamic properties of matter. First and second laws of thermodynamics, cycles, reactions, and mixtures.

0101	Jungho Kim MW 10:00am - 10:50am M 1:00pm - 2:50pm	Seats (Total: 30) EGR 1202 CHM 0119	 Discussion
0102	Jungho Kim MW 10:00am - 10:50am W 1:00pm - 2:50pm	Seats (Total: 30) EGR 1202 CHM 0128	 Discussion
0103	Jungho Kim MW 10:00am - 10:50am F 1:00pm - 2:50pm	Seats (Total: 30) EGR 1202 EGR 1104	 Discussion
0201	Tien-Mo Shih MW 1:00pm - 1:50pm Th 4:00pm - 5:50pm	Seats (Total: 30) MCB 1207 EGR 1104	 Discussion
0202	Tien-Mo Shih MW 1:00pm - 1:50pm M 3:00pm - 4:50pm	Seats (Total: 30) MCB 1207 EGR 1108	 Discussion

ENME271 **Introduction to Matlab**

ENME271 *(PermReq)* **Introduction to Matlab; (3 credits)** Grade Method: REG. *Prerequisite: ENES221.* Develop the skills to generate readable, compact and verifiably correct MATLAB scripts and functions to obtain numerical solutions to a wide range of engineering models and to display the results with fully annotated graphics. Learn structured programming.

0101	Peter Bernard MW 12:00pm - 12:50pm M 1:00pm - 2:50pm	Seats (Total: 37) EGR 1202 KEB 2111	 Lab
0201	Peter Bernard MW 12:00pm - 12:50pm F 3:00pm - 4:30pm	Seats (Total: 42) EGR 1202 KEB 2111	 Lab
0202	Peter Bernard MW 12:00pm - 12:50pm F 1:00pm - 2:50pm	Seats (Total: 42) EGR 1202 KEB 2111	 Lab

ENME320 **Thermodynamics**

ENME320 *(PermReq)* **Thermodynamics; (3 credits)** Grade Method: REG/P-F/AUD. *Prerequisites: MATH141; and {PHYS260 and PHYS261 (Formerly: PHYS262)}.* The properties, characteristics and fundamental equations of gases and vapors. Application of the first and second laws of thermodynamics in the analysis of basic heat engines, air compression vapor cycles. Flow and non-flow processes for gases and vapors.

0201	Garry Brock, Sami Ainane TuTh 11:00am - 12:15pm	Seats (Total: 57) EGR 2107	

ENME331 **Fluid Mechanics**

ENME331 *(PermReq)* **Fluid Mechanics; (3 credits)** Grade Method: REG/P-F/AUD. *Prerequisites: ENME232 and ENES221.* Principles of fluid mechanics. Mass, momentum and energy conservation. Hydrostatics. Control volume analysis. Internal and external flow. Boundary layers. Modern measurement techniques. Computer analysis. Laboratory experiments.

0101	Amir Riaz, Ilias Balaras MW 12:00pm - 12:50pm Tu 1:00pm - 2:50pm	Seats (Total: 30) KEB 1110 EGR 2116	Discussion
0102	Amir Riaz, Ilias Balaras MW 12:00pm - 12:50pm W 1:00pm - 2:50pm	Seats (Total: 30) KEB 1110 EGR 0108	Discussion
0103	Ilias Balaras, Amir Riaz MW 12:00pm - 12:50pm Th 1:00pm - 2:50pm	Seats (Total: 30) KEB 1110 EGR 0135	Discussion

ENME332 **Transfer Processes**

ENME332 *(PermReq)* **Transfer Processes; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: ENME331. The principles of heat transfer. Conduction in solids. Convection. Radiation. Modern measurement techniques. Computer analysis.

0101	Bao Yang, Tien-Mo Shih MW 9:00am - 9:50am Tu 1:00pm - 2:50pm	Seats (Total: 35) CHM 0115 EGR 2154	Discussion
0102	Bao Yang, Tien-Mo Shih MW 9:00am - 9:50am W 1:00pm - 2:50pm	Seats (Total: 35) CHM 0115 EGR 2154	Discussion
0103	Tien-Mo Shih, Bao Yang MW 9:00am - 9:50am Th 1:00pm - 2:50pm	Seats (Total: 35) CHM 0115 EGR 2154	Discussion

ENME350 **Electronics and Instrumentation I**

ENME350 *(PermReq)* **Electronics and Instrumentation I; (3 credits)** Grade Method: REG.
Prerequisite: PHYS270 and 271 {Formerly PHYS263}. Credit will be granted for only one of the following: ENME252 or ENME350. Formerly ENME252. Modern instrumentation. Basic circuit design, standard microelectronic circuits. Digital data acquisition and control. Signal conditioning. Instrumentation interfacing. Designing and testing of analog circuits. Laboratory experiments.

0101	Sarah Bergbreiter MW 8:00am - 8:50am M 1:00pm - 2:50pm	Seats (Total: 24) EGR 1202 EGR 0126	 Discussion
0102	Sarah Bergbreiter MW 8:00am - 8:50am Tu 3:30pm - 5:20pm	Seats (Total: 24) EGR 1202 EGR 0126	 Discussion
0103	Sarah Bergbreiter MW 8:00am - 8:50am W 3:30pm - 5:20pm	Seats (Total: 24) EGR 1202 EGR 0126	 Discussion

ENME351 **Electronics and Instrumentation II**

ENME351 *(PermReq)* **Electronics and Instrumentation II; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisites: ENME350 and (PHY 270 and 271 {Formerly PHYS263}). Continuation of ENME 350. Modern instrumentation. Basic circuit design, standard microelectronic circuits. Digital data acquisition and control. Signal conditioning. Instrumentation interfacing. Designing and testing of analog circuits. Laboratory experiments.

0101	Bongtae Han MW 10:00am - 10:50am M 3:30pm - 5:20pm	Seats (Total: 24) CHM 1402 EGR 0126	 Lab
0102	Bongtae Han MW 10:00am - 10:50am Tu 1:00pm - 2:50pm	Seats (Total: 24) CHM 1402 EGL 0126	 Lab
0103	Bongtae Han MW 10:00am - 10:50am W 1:00pm - 2:50pm	Seats (Total: 24) CHM 1402 EGR 0126	 Lab
0104	Bongtae Han MW 10:00am - 10:50am Th 1:00pm - 2:50pm	Seats (Total: 24) CHM 1402 EGR 0126	 Lab

ENME361 **Vibration, Controls and Optimization I**

ENME361 *(PermReq)* **Vibration, Controls and Optimization I; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisites: ENES220, ENES221, ENME271, and MATH246. For ENME majors only. Fundamentals of vibration, controls and optimization. Analysis and design in time, Laplace and frequency domains. Mathematical description of system response, system stability, control and optimization. Optimal design of mechanical systems.

0101	Moustafa El-Bassyiouni TuTh 9:30am - 10:45am	Seats (Total: 41) KEB 1110	
0201	Moustafa El-Bassyiouni TuTh 9:30am - 10:45am	Seats (Total: 41) KEB 1110	

ENME371 **Product Engineering and Manufacturing**

ENME371 *(PermReq)* **Product Engineering and Manufacturing; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: ENES221, ENME392, or STAT400. For ENME majors only. Business aspects of engineering product development. Relationship of design and manufacturing. Product specification. Statistical process control. Design team development. The development process.

0201	Chandrasekhar Thamire MW 11:00am - 11:50am F 11:00am - 12:50pm	Seats (Total: 35) PLS 1140 EGL 0101	 Discussion
0202	Chandrasekhar Thamire MW 11:00am - 11:50am Th 3:00pm - 4:50pm	Seats (Total: 35) PLS 1140 EGL 0101	 Discussion
0203	Chandrasekhar Thamire MW 11:00am - 11:50am F 9:00am - 10:50am	Seats (Total: 30) PLS 1140 EGL 0101	 Discussion

ENME382 **Engineering Materials and Manufacturing Processes**

ENME382 *(PermReq)* **Engineering Materials and Manufacturing Processes; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: ENES220. Basic material structures and properties. Mechanical behavior of materials. Manufacturing processes theory. Materials processing. Quality assurance. Laboratory experiments.

0101	Patrick McCluskey MW 9:00am - 9:50am M 2:00pm - 3:50pm	Seats (Total: 60) JMP 3201 JMP 3201	 Discussion
0201	Patrick McCluskey MW 9:00am - 9:50am W 2:00pm - 3:50pm	Seats (Total: 60) JMP 3201 JMP 3201	 Discussion

ENME392 **Statistical Methods for Product and Processes Development**

ENME392 *(PermReq)* **Statistical Methods for Product and Processes Development; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: MATH241. Integrated statistical methodology for the improvement of products and processes in terms of performance, quality and cost. Designed experimentation. Statistical process control. Software application. Laboratory activities.

0101	Santiago Solares TuTh 11:00am - 12:15pm	Seats (Total: 98) KEB 1110

ENME408 **Selected Topics in Engineering Design**

ENME408 *(PermReq)* **Selected Topics in Engineering Design; (3 credits)** Grade Method: REG/P-F/AUD.

0101	Gregory Schultz MW 3:30pm - 4:45pm	Seats (Total: 50) EGR 1202

ENME414 **Computer-Aided Design**

ENME414 *(PermReq)* **Computer-Aided Design; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: MATH241 or equivalent. Introduction to computer graphics. Plotting and drawing with computer software. Principles of writing interactive software. The applications of computer graphics in computer-aided design. Computer-aided design project. Design technical elective.

0101	Guangming Zhang MWF 8:00am - 8:50am	Seats (Total: 42) KEB 2111

ENME431 **Nuclear Reactor Systems and Safety**

ENME431 *(PermReq)* **Nuclear Reactor Systems and Safety; (3 credits)** Grade Method: REG/P-F/AUD.

0101	Robert Sanders M 5:00pm - 7:30pm	Seats (Total: 55) JMP 3201

ENME432 **Reactor and Radiation Measurements Laboratory**

ENME432 *(PermReq)* **Reactor and Radiation Measurements Laboratory; (3 credits)** Grade Method: REG/P-F/AUD.

0101	Robert Sanders M 11:00am - 12:15pm W 11:00am - 1:00pm	Seats (Total: 20) EGR 2154 EGR 2154

ENME461 **Control Systems Laboratory**

ENME461 *(PermReq)* **Control Systems Laboratory; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: ENME351, ENME361, and permission of department. Credit will be granted for only one of the following: ENEE461, ENME461, or ENME489N. Formerly ENME489N. Students will design, implement, and test controllers for a variety of systems. This will enhance their understanding of feedback control familiarize them with the characteristics and limitations of real control devices. Students will also complete a small project. This will entail writing a proposal, purchasing parts for their controller, building the system, testing it, and writing a final report describing what they have done.

0101	William Levine TuTh 9:30am - 10:20am Tu 10:30am - 1:30pm	Seats (Total: 12) EGR 2154 KEB 3209	 Lab
0102	William Levine TuTh 9:30am - 10:20am Tu 2:00pm - 5:00pm	Seats (Total: 12) EGR 2154 KEB 3209	 Lab

ENME462 **Vibrations, Controls, and Optimization II**

ENME462 *(PermReq)* **Vibrations, Controls, and Optimization II; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisites: ENME351 and ENME361. Formerly ENME362. Continuation of ENME 361. Fundamentals of vibration, controls, and optimization. Analysis and design in time, Laplace and frequency domains. Mathematical descriptions of system response, system stability, control and optimization. Optimal design of mechanical systems.

0101	Nikhil Chopra MW 10:00am - 10:50am W 1:00pm - 2:50pm	Seats (Total: 40) JMP 3201 KEB 2111	 Lab
0102	Nikhil Chopra MW 10:00am - 10:50am Th 1:00pm - 2:50pm	Seats (Total: 40) JMP 3201 KEB 2111	 Lab

ENME470 **Finite Element Analysis**

ENME470 Finite Element Analysis; (3 credits) Grade Method: REG/P-F/AUD.
Senior standing. Basic concepts of the theory of the finite element method. Applications in solid mechanics and heat transfer.

0101	Guangming Zhang MWF 10:00am - 10:50am	Seats (Total: 42) KEB 2111	

ENME472 **Integrated Product and Process Development**

ENME472 *(PermReq)* **Integrated Product and Process Development; (3 credits)** Grade Method: REG/P-F/AUD. CORE Capstone (CS) Course.
Prerequisite: ENME371. Integration of product development with the development process. Design strategies. Product architecture. Design for manufacturing. Selection of materials. Design for assembly.

0101	Linda Schmidt, Satyandra Gupta, Gregory Teitelbaum TuTh 11:00am - 11:50am Tu 12:00pm - 1:50pm	Seats (Total: 30) JMP 3201 EGL 0101	Discussion
0102	Satyandra Gupta, Linda Schmidt, Gregory Teitelbaum TuTh 11:00am - 11:50am Tu 12:00pm - 1:50pm	Seats (Total: 30) JMP 3201 EGR 0135	Discussion
0103	Satyandra Gupta, Gregory Teitelbaum, Linda Schmidt TuTh 11:00am - 11:50am Th 12:00pm - 1:50pm	Seats (Total: 30) JMP 3201 EGL 0101	Discussion

ENME488 **Special Problems**

ENME488 *(PermReq)* **Special Problems; (3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Limited to mechanical engineering seniors.

Contact department for information to register for this course.

ENME489 **Special Topics in Mechanical Engineering**

ENME489 *(PermReq)* **Special Topics in Mechanical Engineering; (3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENME489B **Special Topics in Mechanical Engineering; Six Sigma Strategy and Methods**

ENME489B *(PermReq)* **Special Topics in Mechanical Engineering: Six Sigma Strategy and Methods; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: ENME392 or STAT400 or permission of instructor.

0101	David Bigio	Seats (Total: 28)
	TuTh 3:30pm - 4:45pm	SYM 0215

ENME489K **Special Topics in Mechanical Engineering; Energy Audits**

ENME489K *(PermReq)* **Special Topics in Mechanical Engineering: Energy Audits; (3 credits)** Grade Method: REG/P-F/AUD.
Pre-requisite: ENME 232 or ENME 320, and permission of the department is required

0101	Jonathan Winkler, Varun Singh	Seats (Total: 15)
	MW 2:00pm - 3:15pm	JMP 2202

ENME489P **Special Topics in Mechanical Engineering; Ship Design**

ENME489P *(PermReq)* **Special Topics in Mechanical Engineering: Ship Design; (3 credits)** Grade Method: REG/P-F/AUD.

0101	Thomas Fu	Seats (Total: 30)
	MW 3:30pm - 4:45pm	EGR 0110

ENME489Q **Special Topics in Mechanical Engineering; Managing for Innovation and Quality**

ENME489Q *(PermReq)* **Special Topics in Mechanical Engineering: Managing for Innovation and Quality; (3 credits)** Grade Method: REG/P-F/AUD.

0101	George Dieter	Seats (Total: 30)
	TuTh 3:00pm - 4:15pm	EGR 2116

ENME489R **Special Topics in Mechanical Engineering; Fiber Optics**

ENME489R *(PermReq)* **Special Topics in Mechanical Engineering: Fiber Optics; (3 credits)** Grade Method: REG/P-F/AUD.

0101	Miao Yu	Seats (Total: 25)
	MW 2:00pm - 3:15pm	EGR 0135

ENME489W **Special Topics in Mechanical Engineering; Pollution and Waste Technology**

ENME489W *(PermReq)* **Special Topics in Mechanical Engineering: Pollution and Waste Technology; (3 credits)** Grade Method: REG/P-F/AUD.

0101	Ashwani Gupta	Seats (Total: 43)
	Th 4:00pm - 6:40pm	JMP 3216

ENME489Y **Special Topics in Mechanical Engineering; Deformable Bodies and Their Material Behavior**

ENME489Y *(PermReq)* **Special Topics in Mechanical Engineering: Deformable Bodies and Their Material Behavior; (3 credits)** Grade Method: REG/P-F/AUD. Also offered as ENME808Y.

0101	Hugh Bruck	Seats (Total: 32)
	MWF 11:00am - 11:50am	EGR 2107

ENME625 **Multidisciplinary Optimization**

ENME625 Multidisciplinary Optimization; (3 credits) Grade Method: REG/AUD. *Prerequisite: Graduate Standing or permission of instructor.* Overview of single- and multi-level design optimization concepts and techniques with emphasis on multidisciplinary engineering design problems. Topics include single and multilevel optimality conditions, hierarchic and nonhierarchic modes and multilevel post optimality sensitivity analysis. Students are expected to work on a semester-long project.

0101	Shapour Azarm	Seats (Total: 20)
	MW 3:30pm - 4:45pm	EGR 1102

ENME627 **Manufacturing with Polymers**

ENME627 Manufacturing with Polymers; (3 credits) Grade Method: REG/AUD. *Prerequisite: ENME 412 or permission of instructor.* The basic engineering approach for the processing of modern polymers and the key properties of polymers for processing. Topics include morphology and structure of polymers, characterization of mixtures and mixing, elementary steps in polymer processing, screw extrusion and computer-aided engineering in injection molding.

0101	David Bigio	Seats (Total: 10)
	TuTh 5:00pm - 6:15pm	EGR 1110

ENME632 **Advanced Convection Heat Transfer**

ENME632 Advanced Convection Heat Transfer; (3 credits) Grade Method: REG/AUD.
Prerequisites: {ENME 315; and ENME 321; and ENME 342; and ENME 343} or permission of instructor. Also offered as ENNU 615. Credit will be granted for only one of the following: ENNU 615 or ENME 632. Statement of conservation of mass, momentum and energy. Laminar and turbulent heat transfer in ducts, separated flows, and natural convection. Heat and mass transfer in laminar boundary layers. Nucleate boiling, film boiling, Leidenfrost transition and critical heat flux. Interfacial phase change processes; evaporation, condensation, industrial applications such as cooling towers, condensers. Heat exchangers design.

0101	Tien-Mo Shih	Seats (Total: 25)
	TuTh 3:30pm - 4:45pm	EGR 3102

ENME633 **Molecular Thermodynamics**

ENME633 Molecular Thermodynamics; (3 credits) Grade Method: REG/AUD.
Prerequisite: permission of department. Also offered as ENNU 625. An examination of the interactions between molecules, which govern thermodynamics relevant to engineering, will be conducted. We will investigate both classical and statistical approaches to thermodynamics for understanding topics such as phase change, wetting of surfaces, chemical reactions, adsorption, and electrochemical processes. Statistical approaches and molecular simulation tools will be studied to understand how molecular analysis can be translated to macroscopic phenomena.

0101	Greg Jackson	Seats (Total: 20)
	TuTh 5:00pm - 6:15pm	EGR 3114

ENME635 **Energy Systems Analysis**

ENME635 Energy Systems Analysis; (3 credits) Grade Method: REG/AUD.
Prerequisites: ENME 633 or equivalent or permission of instructor. Rankine cycles with nonzeotropic working fluid mixtures, two-multi-, and variable stage absorption cycles and vapor compression cycles with solution circuits. Power generation cycles with working fluid mixtures. Development of rules for finding all possible cycles suiting a given application or the selection of the best alternative.

0101	Yunho Hwang, Jiazhen Ling, Yuan Ma MW 2:00pm - 3:15pm	Seats (Total: 25) EGR 0110

ENME641 **Viscous Flow**

ENME641 Viscous Flow; (3 credits) Grade Method: REG/AUD.
Prerequisite: ENME 640 or equivalent or permission of instructor. Formerly ENME652. Fluid flows where viscous effects play a significant role. Examples of steady and unsteady flows with exact solutions to the Navier-Stokes equations. Boundary layer theory. Stability of laminar flows and their transition to turbulence.

0101	Kenneth Kiger MW 3:30pm - 4:45pm	Seats (Total: 30) ITV 1100
HG01	Kenneth Kiger MW 3:30pm - 4:45pm	Seats (Total: 5) Location: TBA
HT01	Kenneth Kiger MW 3:30pm - 4:45pm	Seats (Total: 5) Location: TBA
SG01	Kenneth Kiger MW 3:30pm - 4:45pm	Seats (Total: 5) Location: TBA
SM01	Kenneth Kiger MW 3:30pm - 4:45pm	Seats (Total: 5) Location: TBA
TV01	Kenneth Kiger MW 3:30pm - 4:45pm	Seats (Total: 5) Location: TBA

ENME664 **Dynamics**

ENME664 Dynamics; (3 credits) Grade Method: REG/AUD.
Prerequisite: ENES 221 or equivalent or permission of instructor. Kinematics in plane and space; Dynamics of particle, system of particles, and rigid bodies. Holonomic and non-holonomic constraints. Newton's equations, D'Alembert's principle, Hamilton's principle, and equations of Lagrange. Impact and collisions. Stability of equilibria.

0101	Amr Baz MW 3:30pm - 4:45pm	Seats (Total: 25) EGR 2154

ENME665 **Advanced Topics in Vibrations**

ENME665 Advanced Topics in Vibrations; (3 credits) Grade Method: REG/AUD.
Prerequisite: ENME 662 or permission of instructor. Nonlinear oscillations and dynamics of mechanical and structural systems. Classical methods, geometrical, computational and analytical methods. Birfurcations of equillibrium and periodic solutions; chaos.

0101	B Balachandran TuTh 5:00pm - 6:15pm	Seats (Total: 30) EGR 3106

ENME672 **Composite Materials**

ENME672 Composite Materials; (3 credits) Grade Method: REG/AUD.
Micromechanics of advanced composites with passive and active reinforcements, mathematical models and engineering implications, effective properties and damage mechanics, recent advances in "adaptive" or "smart" composites.

0101	Norman Wereley MW 2:00pm - 3:15pm	Seats (Total: 30) ITV 1100
HG01	Norman Wereley MW 2:00pm - 3:15pm	Seats (Total: 5) Location: TBA
HT01	Norman Wereley MW 2:00pm - 3:15pm	Seats (Total: 5) Location: TBA
SG01	Norman Wereley MW 2:00pm - 3:15pm	Seats (Total: 5) Location: TBA

SM01	Norman Wereley MW 2:00pm - 3:15pm	Seats (Total: 5) Location: TBA
TV01	Norman Wereley MW 2:00pm - 3:15pm	Seats (Total: 5) Location: TBA

ENME674 **Finite Element Methods**

ENME674 Finite Element Methods; (3 credits) Grade Method: REG/AUD. Theory and application of finite element methods for mechanical engineering problems such as stress analysis, thermal and fluid flow analysis, electro-magnetic field analysis and coupled boundary-value problems for "smart" or "adaptive" structure applications, stochastic finite element methods. Also offered as ENAE488C and ENAE652.

0101	Sung Lee MW 5:00pm - 6:15pm	Seats (Total: 40) ITV 1100
HG01	Sung Lee MW 5:00pm - 6:15pm	Seats (Total: 5) Location: TBA
HT01	Sung Lee MW 5:00pm - 6:15pm	Seats (Total: 5) Location: TBA
SG01	Sung Lee MW 5:00pm - 6:15pm	Seats (Total: 5) Location: TBA
SM01	Sung Lee MW 5:00pm - 6:15pm	Seats (Total: 5) Location: TBA
TV01	Sung Lee MW 5:00pm - 6:15pm	Seats (Total: 5) Location: TBA

ENME695 **Failure Mechanisms and Reliability**

ENME695 Failure Mechanisms and Reliability; (3 credits) Grade Method: REG/AUD.
This course will present classical reliability concepts and definitions based on statistical analysis of observed failure distributions. Techniques to improve reliability, based on the study of root-cause failure mechanisms, will be presented; based on knowledge of the life-cycle loadprofile, product architecture and material properties. Techniques toprev ent operational failures through robust design and manufacturing practices will be discussed. Students will gain the fundamentals and skills in the field of reliability as it directly pertains to the designand the manufacture of electrical, mechanical, andelectomechanical products. Also offered as ENRE648D.

0101	Abhijit Dasgupta MW 10:00am - 11:15am	Seats (Total: 25) EGL 1204

ENME707 **Combustion and Reacting Flow**

ENME707 Combustion and Reacting Flow; (3 credits) Grade Method: REG/AUD.
Prerequisite: ENME 320, ENME 331, ENME 332 or equivalent. This course covers thermochemistry and chemical kinetics of reacting flows in depth. In particular, we focus on the combustion of hydrocarbonf uels in both a phenomenological and mechanistic approach. The course co vers the specifics of premixed and nonpremixed flame systems, as wellasignition and extinction. Combustion modeling with equilibrium and chemical kinetic methods will be addressed. Environmental impact and emissi ons minimization will be covered in detail. Finally, the course will co ver available combustion diagnostic methods and their application in laboratory and real-world systems.

0101	Michael Zachariah F 9:00am - 11:40am	Seats (Total: 25) ITV 1100
FS01	Michael Zachariah Contact instructor or department for details.	Seats (Total: 5)
HG01	Michael Zachariah Contact instructor or department for details.	Seats (Total: 5)
HT01	Michael Zachariah Contact instructor or department for details.	Seats (Total: 5)

PE01	Michael Zachariah Class time/details on ELMs	Seats (Total: 10) ONLINE
RE01	Michael Zachariah Contact instructor or department for details.	Seats (Total: 5)
SG01	Michael Zachariah Contact instructor or department for details.	Seats (Total: 5)
SM01	Michael Zachariah Contact instructor or department for details.	Seats (Total: 5)

ENME765 **Thermal Issues in Electronic Systems**

ENME765 Thermal Issues in Electronic Systems; (3 credits) Grade Method: REG/AUD.
Prerequisite: ENME 232, ENME 331, ENME 332. Corequisite: ENME 473 or equivalent. This course addresses a range of thermal issues associated with electronic products life cycle. Computational modeling approaches for various levels of system hierarchy. Advanced thermal management concepts including: single phase and phase change liquid immersion, heat pipes, and thermoelectrics.

0101	Peter Hansen, Avram Bar-Cohen Th 4:00pm - 6:40pm	Seats (Total: 30) EGR 0110

ENME799 **Master's Thesis Research**

ENME799 *(PermReq)* **Master's Thesis Research; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENME808D **Advanced Topics in Mechanical Engineering; Sustainable Energy Production and Utilization**

ENME808D Advanced Topics in Mechanical Engineering: Sustainable Energy Production and Utilization; (3 credits) Grade Method: REG/AUD.

0101	K Radermacher, Jiazhen Ling MW 5:00pm - 6:15pm	Seats (Total: 25) EGR 2154

ENME808G **Advanced Topics in Mechanical Engineering; Flexible Macroelectronics**

ENME808G Advanced Topics in Mechanical Engineering: Flexible Macroelectronics; (3 credits) Grade Method: REG/AUD.

0101	Teng Li TuTh 3:30pm - 4:45pm	Seats (Total: 30) EGR 1108

ENME808P **Advanced Topics in Mechanical Engineering; Advanced Methods for Risk-Based Design**

ENME808P Advanced Topics in Mechanical Engineering: Advanced Methods for Risk-Based Design; (3 credits) Grade Method: REG/AUD.
Also offered as ENRE648P.

0101	Byeng Youn MW 5:00pm - 6:15pm	Seats (Total: 20) EGR 1108

ENME808R **Advanced Topics in Mechanical Engineering; Fiber Optics**

ENME808R Advanced Topics in Mechanical Engineering: Fiber Optics; (3 credits) Grade Method: REG/AUD.

0101	Miao Yu MW 2:00pm - 3:15pm	Seats (Total: 12) EGR 0135

ENME808V **Advanced Topics in Mechanical Engineering; A Mathematical Introduction to Robotics**

ENME808V Advanced Topics in Mechanical Engineering: A Mathematical Introduction to Robotics; (3 credits) Grade Method: REG/AUD.

0101	Jaydev Desai MW 10:00am - 11:15am	Seats (Total: 20) EGL 1202

ENME808X **Advanced Topics in Mechanical Engineering; Engineering Decision Making**

ENME808X Advanced Topics in Mechanical Engineering: Engineering Decision Making; (3 credits) Grade Method: REG/AUD.
Also offered as ENRE648C.

0101	Jeffrey Herrmann	Seats (Total: 20)
	TuTh 2:00pm - 3:15pm	CHE 2116

ENME898 **Pre-Candidacy Research**

ENME898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENME899 **Doctoral Dissertation Research**

ENME899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENNU Engineering, Nuclear Spring 2009

ENNU440 **Nuclear Technology Laboratory**

ENNU440 Nuclear Technology Laboratory; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisites: MATH240; and PHYS263. Techniques of detecting and making measurements of nuclear or high energy radiation. Radiation safety experiments. Both a subcritical reactor and the swimming pool critical reactor are sources of radiation.

0101	Robert Sanders	Seats (Total: 20)
	M 11:00am - 12:15pm	EGR 2154
	W 11:00am - 1:00pm	EGR 2154

ENNU465 **Nuclear Reactor Systems Analysis**

ENNU465 Nuclear Reactor Systems Analysis; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisites: (MATH246; and {PHY 270 and 271 (Formerly PHY 263)}; and ENN 455) or permission of both department and instructor. Power reactor (BWR,PWR,HTGR) system design and analysis. System specifications and modes of operation. Plant documentation (PSAR,FSAR, etc.). Piping and instrumentation drawings. Theory and application of pump and piping calculations. Steam power plant cycles and calculations. Steam plant equipment (turbines, heaters, condensers, etc.) analysis.

0101	Robert Sanders	Seats (Total: 10)
	MW 5:00pm - 6:15pm	JMP 3201

ENNU468 **Research**

ENNU468 *(PermReq)* **Research; (2-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENNU489 **Special Topics in Nuclear Engineering**

ENNU489 Special Topics in Nuclear Engineering; (3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENNU609 **Seminar in Nuclear Engineering**

ENNU609 Seminar in Nuclear Engineering; (1 credit) Grade Method: REG/AUD.

0101	Aristos Christou	Seats (Total: 10)
	Contact instructor or department for details.	

ENNU648 **Special Problems in Nuclear Engineering**

ENNU648 Special Problems in Nuclear Engineering; (1-16 credits) Grade Method: REG/AUD.

0101	Mohamad Al-Sheikhly Contact instructor or department for details.	Seats (Total: 5)
0601	Gary Pertmer Contact instructor or department for details.	Seats (Total: 5)

ENNU648C **Special Problems in Nuclear Engineering; Reactor Physics & Engineering**

ENNU648C Special Problems in Nuclear Engineering: Reactor Physics & Engineering; (3 credits) Grade Method: REG/AUD.

0101	Gary Pertmer, Ali Mosleh Tu 10:00am - 12:45pm	Seats (Total: 10) ANS 0402

ENNU648L **Special Problems in Nuclear Engineering; Nuclear Technology Laboratory**

ENNU648L Special Problems in Nuclear Engineering: Nuclear Technology Laboratory; (3 credits) Grade Method: REG/AUD.

0101	Robert Sanders Contact instructor or department for details.	Seats (Total: 3)

ENNU648M **Special Problems in Nuclear Engineering; Reliability of Materials**

ENNU648M Special Problems in Nuclear Engineering: Reliability of Materials; (3 credits) Grade Method: REG/AUD.
Also offered as ENRE625 and ENMA489R.

0101	Aristos Christou TuTh 3:30pm - 4:45pm	Seats (Total: 25) CHE 2145
ER01	Aristos Christou Contact instructor or department for details.	Seats (Total: 10)

ENNU649 **Selected Topics in Nuclear Engineering**

ENNU649 *(PermReq)* **Selected Topics in Nuclear Engineering; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENNU799 **Master's Thesis Research**

ENNU799 Master's Thesis Research; (1-6 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENNU898 **Pre-Candidacy Research**

ENNU898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENNU899 **Doctoral Dissertation Research**

ENNU899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENPM Engineering, Professional Masters Spring 2009

ENPM601 **Analog and Digital Communication Systems**

ENPM601 Analog and Digital Communication Systems; (3 credits) Grade Method: REG/AUD.
Prerequisite: ENPM 600 or equivalent. Analog modulation methods including AM, DSBSC-AM, SSB, and QAM; effects of noise in analog modulation systems. Digital communication methods for the infinite bandwidth additive white Gaussian noise channel: PAM, QAM, PSK, FSK modulation; optimum receivers using the MAP principle; phase- locked loops; error probabilities. Digital communication over bandlimited channels: intersymbol interference and Nyquist's criterion, adaptive equalizers, symbol clock and carrier recovery systems, trellis coding. Spread spectrum systems: direct sequence modulation and frequency hopping.

0101	Larry Palmer Tu 7:00pm - 9:40pm	Seats (Total: 25) EGR 2107
FS01	Larry Palmer Tu 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA

HG01	Larry Palmer Tu 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
HT01	Larry Palmer Tu 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
SG01	Larry Palmer Tu 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
SM01	Larry Palmer Tu 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA

ENPM602 **Data Networks**

ENPM602 Data Networks; (3 credits) Grade Method: REG/AUD.
Prerequisite: ENEE 324 or equivalent. Principles of network design, circuit switching and packet switching, OSI Reference Model; parity and cyclic redundancy check codes; retransmission request protocols; Markov chains and queuing models for delay analysis; multiaccess communication, local area networks, Ethernet and Token Ring standards; routing, flow control, internetworking; higher layer functions and protocols. Software tools for network simulation and performance analysis will be used.

0101	C Ravishankar M 7:00pm - 9:40pm	Seats (Total: 25) ITV 1111
FS01	C Ravishankar M 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
HG01	C Ravishankar M 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
HT01	C Ravishankar M 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
SG01	C Ravishankar M 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
SM01	C Ravishankar M 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA

ENPM607 **Computer System Design and Architecture**

ENPM607 Computer System Design and Architecture; (3 credits) Grade Method: REG/AUD.
Prerequisite: ENEE 446 or equivalent. Principles of computer design and cost/performance factors; instruction set design and implementation, RISC vs. CISC instruction sets; control unit and pipeline design; floating-point arithmetic; memory hierarchy designs, caches, memory interleaving, virtual memory; I/O device interconnections to CPUs and main memory. Additional topics include parallel system designs, SIMD, MIMD, SPMD; interconnection networks for processors and memories; optimization of pipeline operations; superscalar architectures, power management techniques.

0101	Charles Silio W 7:00pm - 9:40pm	Seats (Total: 25) EGR 2107
FS01	Charles Silio W 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
HG01	Charles Silio W 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
HT01	Charles Silio W 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
SG01	Charles Silio W 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
SM01	Charles Silio W 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA

ENPM612 **System and Software Requirements**

ENPM612 System and Software Requirements; (3 credits) Grade Method: REG/AUD.
Prerequisite: ENPM611. Credit will be granted for only one of the following: ENPM612 or ENPM808K. Formerly ENPM808K. Focus will be placed on the theoretical and practical aspects of requirements development. Students will recognize the place of requirements, how to work with users, requirements methods and techniques, the various requirements types, how to set requirements development schedules, requirements evolution, how to model and prototype requirements, how to evaluate and manage risk in requirements, techniques to test requirements, how to manage the requirements process, and how to write an effective requirements document.

0101	Aleksandar Zavaljevski Tu 7:00pm - 9:40pm	Seats (Total: 25) ITV 1111
FS01	Aleksandar Zavaljevski Tu 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
HG01	Aleksandar Zavaljevski Tu 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
HT01	Aleksandar Zavaljevski Tu 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
SG01	Aleksandar Zavaljevski Tu 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
SM01	Aleksandar Zavaljevski Tu 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA

ENPM614 **Software Testing & Maintenence**

ENPM614 *(PermReq)* **Software Testing & Maintenence; (3 credits)** Grade Method: REG/AUD.
Aspects of software development after coding is completed will be covered. Students will understand the various levels of testing, techniques for creating test data, how to manage test cases and scenarios, testing strategies and methods, testing batch, client/server, real-time, and Internet systems, and the development of an effective test plan. Software maintenance will include the creation of easily maintained software; preventive maintenance, corrective maintenance, and enhancements; configuration management practices; and assuring quality in software manintenance.

0101	Aleksandar Zavaljevski Th 7:00pm - 9:40pm	Seats (Total: 25) ITV 1111
FS01	Aleksandar Zavaljevski Th 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
HG01	Aleksandar Zavaljevski Th 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
HT01	Aleksandar Zavaljevski Th 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
SG01	Aleksandar Zavaljevski Th 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
SM01	Aleksandar Zavaljevski Th 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA

ENPM621 **Heat Pump and Refrigeration Systems Design Analysis**

ENPM621 Heat Pump and Refrigeration Systems Design Analysis; (3 credits)
Grade Method: REG/AUD.
Prerequisites: ENME 315 and ENME 321. Thermal engineering of heat pump and refrigeration systems and thermal systems modeling. Thermodynamics and heat transfer. Cycle analysis, alternative refrigerants, graphical analysis using property charts. Analysis of applications such as space conditioning, food perservation, manufacturing, heat recovery and cogeneration.

0101	David Didion M 7:00pm - 9:40pm	Seats (Total: 25) EGR 2107
FS01	David Didion M 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
HG01	David Didion M 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
HT01	David Didion M 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA

SG01	David Didion M 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
SM01	David Didion M 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA

ENPM626 **Thermal Destructive Technology**

ENPM626 Thermal Destructive Technology; (3 credits) Grade Method: REG/AUD. *Prerequisites: ENME 315 and ENME 321.* Thermal destruction, incineration and combustion processes. Emphasis on solid wastes and their composition, current and advanced destruction technologies, guidelines on design and operation, and environmental pollution.

0101	Eugene Keating W 7:00pm - 9:40pm	Seats (Total: 25) ITV 1100
FS01	Eugene Keating W 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
HG01	Eugene Keating W 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
HT01	Eugene Keating W 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
PE01	Eugene Keating Class time/details on ELMs	Seats (Total: 10) ONLINE
SG01	Eugene Keating W 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
SM01	Eugene Keating W 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA

ENPM642 **Systems Requirements, Design and Trade-Off Analysis**

ENPM642 *(PermReq)* **Systems Requirements, Design and Trade-Off Analysis; (3 credits)** Grade Method: REG/AUD.
Prerequisite: ENPM641/ENSE621 or permission of department. Also offered as ENSE622. Credit will be granted for only one of the following: ENPM642, ENSE602, or ENSE622. This course builds on material covered in ENSE621/ENPM641, emphasizing the topics of requirements engineering and design and trade-off analysis. The pair of courses serves as an introduction to the professional and academic aspects of systems engineering. Liberal use will be made of concepts from the first course, ENSE621/ENPM641, including models of system lifecycle development, synthesis and design of engineering systems visual modeling and unified modeling language (UML), requirements engineering, systems performance assessment, issues in synthesis and design, design for system lifecycle, approaches to system redesign in response to changes in requirements, reliability, trade-off analysis, and optimization-based design. Also offered as ENSE622.

0101	Jerome Gansman M 7:00pm - 9:40pm	Seats (Total: 27) ITV 1100
FSO1	Jerome Gansman M 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
HGO1	Jerome Gansman M 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
HT01	Jerome Gansman M 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
SG01	Jerome Gansman M 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
SM01	Jerome Gansman M 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA

ENPM644 **Human Factors in Systems Engineering**

ENPM644 *(PermReq)* **Human Factors in Systems Engineering; (3 credits)** Grade Method: REG/AUD.
Prerequisite: permission of department. Also offered as ENSE624. Credit will be granted for only one of the following: ENPM644 or ENSE624. This course covers the general principles of human factors, or ergonomics as it is sometimes called. Human Factors (HF) is an interdisciplinary approach for dealing with issues related to people in systems. It focuses on consideration of the characteristics of human beings in the design of systems and devices of all kinds. It is concerned with the assignment of appropriate functions for humans and machines, whether the people serve as operators, maintainers, or users of the system or device. The goal of HF is to achieve compatibility in the design of interactive systems of people, machines, and environments to ensure their effectiveness, safety and ease of use. Also offered as ENSE624.

0101	Regan Campbell Th 7:00pm - 9:40pm	Seats (Total: 30) EGR 2103
FS01	Regan Campbell Th 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
HG01	Regan Campbell Th 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
HT01	Regan Campbell Th 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
SG01	Regan Campbell Th 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
SM01	Regan Campbell Th 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA

ENPM646 **System Life Cycle Cost Analysis and Risk Management**

ENPM646 *(PermReq)* **System Life Cycle Cost Analysis and Risk Management; (3 credits)** Grade Method: REG/AUD.
Prerequisite: permission of department. Also offered as ENSE626. Credit will be granted for only one of the following: ENPM646 or ENSE626. This course covers topics related to estimating the costs and risks incurred through the lifetimes of projects, products and systems. In addition, treatment is given to methods that determine the drivers of costs and risks and facilitate determination of the most effective alternatives to reducing them. Relevant analytic tools from probability and statistics and important managerial and organizational concepts. Extensive use is made of case studies from industry andgovernment. Also offered as ENSE626.

0101	Nidak Sumrean Tu 7:00pm - 9:40pm	Seats (Total: 25) EAB 0307
FS01	Nidak Sumrean Tu 7:00pm - 9:40pm	Seats (Total: 2) Location: TBA
HG01	Nidak Sumrean Tu 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
HT01	Nidak Sumrean Tu 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
SG01	Nidak Sumrean Tu 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
SM01	Nidak Sumrean Tu 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA

ENPM647 **Systems Quality and Robustness Analysis**

ENPM647 *(PermReq)* **Systems Quality and Robustness Analysis; (3 credits)** Grade Method: REG/AUD.
Prerequisite: permission of department. Also offered as ENSE627. Credit will be granted for only one of the following: ENPM647 or ENSE627. This course covers systems engineering approaches for creating optimal and robust engineering systems and for quality assurance. It provides an overview of the important tools for quality analysis and quality management of engineering systems. These tools are commonly used in companies and organizations. Focus is placed on the Baldrige National Quality Program, ISO 9000 certification, six-sigma systems, and Deming total quality management to examine how high quality standards are sustained and customer requirements and satisfactions are ensured. The Taguchi method for robust analysis and design is covered and applied to case studies. Issues of flexible design over the system life cycle are addressed. Statistical process control, international standards for sampling, and design experimentation are also studied. Also offered as ENSE627.

0101	Guangming Zhang W 6:30pm - 9:10pm	Seats (Total: 30) EGR 0110

ENPM653 **Environmental Law for Engineers and Scientists**

ENPM653 Environmental Law for Engineers and Scientists; (3 credits) Grade Method: REG/AUD.
Provide engineers and scientists with a general understanding of the U.S. legal system and key aspects of environmental law. Many engineers and scientists today find that environmental regulatory issues are components of their professional work. This course will familiarize them with the major federal environmental statutes and regulations and some of the compliance issues they may face. The topics of engineers and scientists serving as expert witnesses in lawsuits, preparation of environmental and expert reports, and how technical information is used in the courtroom will also be discussed.

0101	Michael White Th 7:00pm - 9:40pm	Seats (Total: 25) EGR 2107
FS01	Michael White Th 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
HG01	Michael White Th 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA

HT01	Michael White Th 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
SG01	Michael White Th 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
SM01	Michael White Th 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA

ENPM808 **Advanced Topics in Engineering**

ENPM808 *(PermReq)* **Advanced Topics in Engineering; (1-3 credits)** Grade Method: REG/AUD.

0101	George Syrmos Contact instructor or department for details.	Seats (Total: 10)
DL01	George Syrmos **Meets March 2, 2009 - May 22, 2009** Class time/details on ELMs	Seats (Total: 5) ONLINE

ENPM808B **Advanced Topics in Engineering; Groundwater Hydrology and Pollution Control**

ENPM808B Advanced Topics in Engineering: Groundwater Hydrology and Pollution Control; (3 credits) Grade Method: REG/AUD.

0101	Ching-Tzone Tien M 7:00pm - 9:40pm	Seats (Total: 25) EGR 2103
FS01	Ching-Tzone Tien M 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
HG01	Ching-Tzone Tien M 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
HT01	Ching-Tzone Tien M 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
SG01	Ching-Tzone Tien M 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA

SM01	Ching-Tzone Tien M 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA

ENPM808E **Advanced Topics in Engineering; Introduction to Innovative Thinking**

ENPM808E Advanced Topics in Engineering: Introduction to Innovative Thinking; (3 credits) Grade Method: REG/AUD.

0101	Daniel Raviv W 6:00pm - 8:40pm	Seats (Total: 25) EGR 1102

ENPM808M **Advanced Topics in Engineering; Advanced Mechanics of Materials**

ENPM808M Advanced Topics in Engineering: Advanced Mechanics of Materials; (3 credits) Grade Method: REG/AUD.

0101	Jeffery Etheridge Tu 7:00pm - 9:40pm	Seats (Total: 25) ITV 1100
FS01	Jeffery Etheridge Tu 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
HG01	Jeffery Etheridge Tu 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
HT01	Jeffery Etheridge Tu 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
SG01	Jeffery Etheridge Tu 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA
SM01	Jeffery Etheridge Tu 7:00pm - 9:40pm	Seats (Total: 5) Location: TBA

ENPP Engineering and Public Policy Spring 2009

ENPP611 **MEPP Scholarly Practicum**

ENPP611 *(PermReq)* **MEPP Scholarly Practicum; (3 credits)** Grade Method: REG/AUD.
Prerequisite: Practicum proposal must be approved by MEPP. The scholarly practicum internship for MEPP students is intended to educate students in how engineering and public policy is practised in their MEPP specialization. The internship must last a minimum of 400 hours, and must be completed by the submission and approval of progress and completion reports. By undertaking the internship midway through the student's MEPP studies, the student can make use of MEPP studies completed, and use the experience in selection of subsequent MEPP course to maximize the educational opportunities of the MEPP program.

0101	Matthias Ruth, Deborah Goodings Contact instructor or department for details.	Seats (Total: 10)

ENRE Reliability Engineering Spring 2009

ENRE445 **Applied Reliability Engineering I**
Contact department for information to register for this course.

ENRE446 **Applied Reliability Engineering II**

ENRE446 Applied Reliability Engineering II; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: MATH246, PHYS270 and 271 {Formerly: PHYS263}, or permission of instructor. Credit will be granted for only one of the following: ENRE446 or ENRE489D. Formerly ENRE489D. Topics covered include: System modeling and analysis, designing for reliability, reliability testing, reliability in manufacturing, and reliability management. Fault tree analysis, RBD, and cut sets are covered along with sneak circuits, time-on-test plots and acceptance testing.

0201	Michel Cukier Class time/details on ELMs	Seats (Total: 5) ONLINE
ER01	Michel Cukier Class time/details on ELMs	Seats (Total: 5) ONLINE
FS01	Michel Cukier F 11:00am - 1:40pm	Seats (Total: 5) Location: TBA

HG01	Michel Cukier F 11:00am - 1:40pm	Seats (Total: 5) Location: TBA
HT01	Michel Cukier F 11:00am - 1:40pm	Seats (Total: 5) Location: TBA
RE01	Michel Cukier F 11:00am - 1:40pm	Seats (Total: 15) Location: TBA
SG01	Michel Cukier F 11:00am - 1:40pm	Seats (Total: 5) Location: TBA
SM01	Michel Cukier F 11:00am - 1:40pm	Seats (Total: 5) Location: TBA

ENRE489 **Special Topics in Reliability Engineering**

ENRE489 *(PermReq)* **Special Topics in Reliability Engineering; (3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENRE600 **Reliability Engineering**
Contact department for information to register for this course.

ENRE607 **Reliability Engineering Seminar**

ENRE607 Reliability Engineering Seminar; (1 credit) Grade Method: REG/AUD. Topics of current interest, emphasizing the latest techniques and developments. Invited speakers will be selected to provide insights from the viewpoint of practitioners noted for their expertise in various facets of industry. Managers of reliability programs will be included along with those who are responsible for setting national policies and requirements. In-depth reviews will be provided, describing current research work underway across the nation. For ENEE, ENME, ENNU, and ENRE majors only until the first day of classes.

0101	Michel Cukier F 10:00am - 10:50am	Seats (Total: 30) EGR 2103

ER01	Michel Cukier Class time/details on ELMs	Seats (Total: 10) ONLINE
FS01	Michel Cukier F 10:00am - 10:50am	Seats (Total: 5) Location: TBA
HG01	Michel Cukier F 10:00am - 10:50am	Seats (Total: 5) Location: TBA
HT01	Michel Cukier F 10:00am - 10:50am	Seats (Total: 5) Location: TBA
RE01	Michel Cukier F 10:00am - 10:50am	Seats (Total: 15) Location: TBA
SG01	Michel Cukier F 10:00am - 10:50am	Seats (Total: 5) Location: TBA
SM01	Michel Cukier F 10:00am - 10:50am	Seats (Total: 5) Location: TBA

ENRE625 **Materials Selection and Mechanical Reliability**

ENRE625 Materials Selection and Mechanical Reliability; (3 credits) Grade Method: REG/AUD.
Credit will be granted for only one of the following: ENRE 625 or ENRE 648L. Formerly ENRE648L. Topics include: microstructure development, mechanical properties of metals, plymers, ceramics, composites and semiconductors, fracture, fatigue, creep, fractography and failure analysis. Also offered as ENMA489R and ENNU648M.

0101	Aristos Christou TuTh 3:30pm - 4:45pm	Seats (Total: 25) CHE 2145
ER01	Aristos Christou Contact instructor or department for details.	Seats (Total: 10)

ENRE641 **Accelerated Testing**

ENRE641 Accelerated Testing; (3 credits) Grade Method: REG/AUD.
Prerequisite: ENRE 663 or permission of department. Credit will be granted for only one of the following: ENRE 641 or ENRE 650. Formerly ENRE650. Models for life testing at constant stress. Graphical and analytical methods. Test plans for accelerated testing. Competing failure modes and size effects. Models and data analyses for step and time varying stresses. Optimizing of test plans.

0101	Mohammad Modarres, Mandana Azarkhil W 2:00pm - 4:40pm	Seats (Total: 20) EGR 2103
ER01	Mandana Azarkhil, Mohammad Modarres Class time/details on ELMs	Seats (Total: 20) ONLINE
RE01	Mohammad Modarres, Mandana Azarkhil W 2:00pm - 4:40pm	Seats (Total: 20) Location: TBA

ENRE648 **Special Problems in Reliability Engineering**

ENRE648 *(PermReq)* **Special Problems in Reliability Engineering; (1-6 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENRE648C **Special Problems in Reliability Engineering; Decision Production Systems: Engineering Decision Making**

ENRE648C Special Problems in Reliability Engineering: Decision Production Systems: Engineering Decision Making; (3 credits) Grade Method: REG/AUD.
Also offered as ENME808X.

0101	Jeffrey Herrmann TuTh 2:00pm - 3:15pm	Seats (Total: 20) CHE 2116

ENRE648D **Special Problems in Reliability Engineering; Failure Mechanisms and Reliability**

ENRE648D Special Problems in Reliability Engineering: Failure Mechanisms and Reliability; (3 credits) Grade Method: REG/AUD.
Also offered as ENME695.

0101	Instructor: TBA Contact instructor or department for details.	Seats (Total: 25)

ENRE648P **Special Problems in Reliability Engineering; Advanced Methods for Risk-Based Design**

ENRE648P Special Problems in Reliability Engineering: Advanced Methods for Risk-Based Design; (3 credits) Grade Method: REG/AUD.
Also offered as ENME808P.

0101	Byeng Youn MW 5:00pm - 6:15pm	Seats (Total: 20) EGR 1108

ENRE655 **Advanced Methods in Reliability Modeling**

ENRE655 Advanced Methods in Reliability Modeling; (3 credits) Grade Method: REG/AUD.
Prerequisite: ENRE 602. Credit will be granted for only one of the following: ENRE 655 or ENRE 665. Formerly ENRE665. Bayesian methods and applications, estimation of rare event frequencies, uncertainty analysis and propagation methods, reliability analysis of dynamic systems, analysis of dependent failures, reliability of repairable systems, human reliability analysis methods and theory of logic diagrams and application to systems reliability.

0101	Ali Mosleh M 2:00pm - 4:40pm	Seats (Total: 30) EGR 2103
ER01	Ali Mosleh Class time/details on ELMs	Seats (Total: 5) ONLINE
FS01	Ali Mosleh M 2:00pm - 4:40pm	Seats (Total: 5) Location: TBA
HG01	Ali Mosleh M 2:00pm - 4:40pm	Seats (Total: 5) Location: TBA
HT01	Ali Mosleh M 2:00pm - 4:40pm	Seats (Total: 5) Location: TBA
RE01	Ali Mosleh M 2:00pm - 4:40pm	Seats (Total: 15) Location: TBA

SG01	Ali Mosleh M 2:00pm - 4:40pm	Seats (Total: 5) Location: TBA
SM01	Ali Mosleh M 2:00pm - 4:40pm	Seats (Total: 5) Location: TBA

ENRE799 **Master's Thesis Research**

ENRE799 Master's Thesis Research; (1-6 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENRE898 **Pre-Candidacy Research**

ENRE898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENRE899 **Doctoral Dissertation Research**

ENRE899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENSE Systems Engineering Spring 2009

ENSE622 **Systems Requirements, Design and Trade-Off Analysis**

ENSE622 *(PermReq)* **Systems Requirements, Design and Trade-Off Analysis; (3 credits)** Grade Method: REG/AUD.
Prerequisite: ENPM641/ENSE621 or permission of department. Also offered as ENPM642. Credit will be granted for only one of the following: ENPM642, ENSE602, or ENSE 622. This course builds on material covered in ENSE621/ENPM641, emphasizing the topics of requirements engineering and design and trade-off analysis. The pair of courses serves as an introduction to the professional and academic aspects of systems engineering. Liberal use will be made of concepts from the first course, ENSE621/ENPM641, including models of system lifecycle development, synthesis and design of engineering systems visual modeling and unified modeling language (UML), requirements engineering, systems performance assessment, issues in synthesis and design, design for system lifecycle, approaches to system redesign in response to changes in requirements, reliability, trade-off analysis, and optimization-based design. Also offered as ENPM642.

0101	Jerome Gansman M 7:00pm - 9:40pm	Seats (Total: 27) ITV 1100

ENSE624 **Human Factors in Systems Engineering**

ENSE624 *(PermReq)* **Human Factors in Systems Engineering; (3 credits)** Grade Method: REG/AUD.
Prerequisite: permission of department. Also offered as ENPM644. Credit will be granted for only one of the following: ENPM644, ENSE 306 or ENSE 624. This course covers the general principles of human factors, or ergonomics as it is sometimes called. Human Factors (HF) is an interdisciplinary approach for dealing with issues related to people in systems. It focuses on consideration of the characteristics of human beings in the design of systems and devices of all kinds. It is concerned with the assignment of appropriate functions for humans and machines, whether the people serve as operators, maintainers, or users of the system or device. The goal of HF is to achieve compatibility in the design of interactive systems of people, machines, and environments to ensure their effectiveness, safety and ease of use. Also offered as ENPM644.

0101	Regan Campbell Th 7:00pm - 9:40pm	Seats (Total: 30) EGR 2103

ENSE626 **System Life Cycle Analysis and Risk Management**

ENSE626 *(PermReq)* **System Life Cycle Analysis and Risk Management; (3 credits)** Grade Method: REG/AUD.
Prerequisite: permission of department. Also offered as ENPM646. Credit will be granted for only one of the following: ENSE611 or ENSE626. This course covers topics related to estimating the costs and risks incurred through the lifetimes of projects, products and systems. In addition, treatment is given to methods that determine the drivers of costs and risks and facilitate determination of the most effective alternatives to reducing them. Also covered, are relevant analytic tools from probability and statistics and also important managerial and organizational concepts. Extensive use is made of case studies and examples from industry and government. Also offered as ENPM646.

0101	Nidak Sumrean	Seats (Total: 25)
	Tu 7:00pm - 9:40pm	EAB 0307

ENSE627 **Systems Quality and Robustness Analysis**

ENSE627 *(PermReq)* **Systems Quality and Robustness Analysis; (3 credits)** Grade Method: REG.
Prerequisite: permission of department. Also offered as ENPM647. Credit will be granted for only one of the following: ENPM647, ENSE 601, or ENSE 627. This course covers systems engineering approaches for creating optimal and robust engineering systems and for quality assurance. It provides an overview of the important tools for quality analysis and quality management of engineering systems. These tools are commonly used in companies and organizations. Focus is placed on the Baldrige National Quality Program, ISO 9000 certification, six-sigma systems, and Deming total quality management to examine how high quality standards are sustained and customer requirements and satisfactions are ensured. The Taguchi method for robust analysis and design is covered and applied to case studies. Issues of flexible design over the system life cycle are addressed. Statistical process control, international standards for sampling, and design experimentation are also studied. Also offered as ENPM647.

0101	Guangming Zhang	Seats (Total: 30)
	W 6:30pm - 9:10pm	EGR 0110

ENSE698A **Special Topics in Systems Engineering; Public Policy & Private Enterprise in National Security**

ENSE698A Special Topics in Systems Engineering: Public Policy & Private Enterprise in National Security; (3 credits) Grade Method: REG/AUD.

0101	Jacques Gansler M 4:15pm - 6:45pm	Seats (Total: 20) Location: TBA	

ENSE799 **Systems Engineering Thesis; Masters Thesis Research**

ENSE799 *(PermReq)* **Systems Engineering Thesis: Masters Thesis Research; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENSP Environmental Science and Policy Spring 2009

ENSP102 **Introduction to Environmental Policy**

ENSP102 Introduction to Environmental Policy; (3 credits) Grade Method: REG. Second of two courses that introduce students to the topics studied and methods employed in environmental science and policy. Emphasis on the process of formulating, implementing, and evaluating policy responses to environmental problems, with particular attention to policy controversies related to scientific uncertainty, risk assessment, the valuation of nature, and distributional equity. May be taken before or after ENSP101.

0101	John Horowitz MWF 9:00am - 9:50am F 10:00am - 10:50am	Seats (Total: 23) MMH 1400 TYD 2108	Discussion
0102	John Horowitz MWF 9:00am - 9:50am F 11:00am - 11:50am	Seats (Total: 23) MMH 1400 ARM 0120	Discussion
0103	John Horowitz MWF 9:00am - 9:50am F 11:00am - 11:50am	Seats (Total: 23) MMH 1400 EGL 1202	Discussion
0104	John Horowitz MWF 9:00am - 9:50am Th 2:00pm - 2:50pm	Seats (Total: 23) MMH 1400 EGR 2116	Discussion

0105	John Horowitz MWF 9:00am - 9:50am F 10:00am - 10:50am	Seats (Total: 23) MMH 1400 EGL 1202	 Discussion
0106	John Horowitz MWF 9:00am - 9:50am Th 2:00pm - 2:50pm	Seats (Total: 23) MMH 1400 CCC 1105	 Discussion

ENSP386 **Internship**

ENSP386 *(PermReq)* **Internship; (3-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number. *Prerequisite: internship proposal approved by the specialty advisor, the director of ENSP and the student's internship sponsor.*

Contact department for information to register for this course.

ENSP399I **Special Topics in Environmental Science and Policy; EcoHouse: Internship**

ENSP399I *(PermReq)* **Special Topics in Environmental Science and Policy: EcoHouse: Internship; (1-2 credits)** Grade Method: REG/P-F.
Restricted to EcoHouse Living-Learning Program; permission of department is required.

0101	Wendy Whittemore Contact instructor or department for details.	Seats (Total: 14)

ENSP399W **Special Topics in Environmental Science and Policy; EcoHouse: Colloquium II**

ENSP399W *(PermReq)* **Special Topics in Environmental Science and Policy: EcoHouse: Colloquium II; (1 credit)** Grade Method: REG/P-F.
Restricted to EcoHouse Living-Learning Program; permission of department is required.

0101	Becky Archer Tu 6:00pm - 8:00pm	Seats (Total: 30) Location: TBA

ENSP399X **Special Topics in Environmental Science and Policy; Explorations in Sustainability**

ENSP399X *(PermReq)* **Special Topics in Environmental Science and Policy: Explorations in Sustainability; (1-2 credits)** Grade Method: REG/P-F/AUD.

0101	Instructor: TBA	Seats (Total: 30)
	Contact instructor or department for details.	

ENSP400 **Capstone in Environmental Science and Policy**

ENSP400 *(PermReq)* **Capstone in Environmental Science and Policy; (3 credits)** Grade Method: REG. CORE Capstone (CS) Course.
Prerequisite: Senior Standing or Permission of the Director of ENSP; ENSP101 and 102. For ENSP majors only. Integration of physical, biological, and social sciences with applications to environmental science and policy. Problem-solving and multi-disciplinary case study evaluations pertinent to contemporary and future issues related to the environment.

0101	Bruce James, Benjamin Schapiro	Seats (Total: 35)
	TuTh 3:30pm - 4:45pm	ANS 0408

ENSP499 **Honors Thesis Research**

ENSP499 Honors Thesis Research; (1-6 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENST Environmental Science and Technology Spring 2009

ENST200 **Fundamentals of Soil Science**

ENST200 Fundamentals of Soil Science; (4 credits) Grade Method: REG/P-F/AUD. CORE Life Science Lab (LL) Course.
Prerequisite: CHEM103, or CHEM131 and CHEM132; or permission of department. Credit will be granted for only one of the following: ENST200 or NRSC200. Formerly NRSC200. Study and management of soils as natural bodies, media for plant growth, and ecosystem components. Morphology, composition, formation, and conservation of soils. Chemical, biological, and physical properties are discussed in relation to the production of plants, the functioning of hydrologic and nutrient cycles, the protection of environmental quality, and engineering uses of soils.

0101	Raymond Weil	Seats (Total: 25)	
	TuTh 3:30pm - 4:45pm	HJP 0226	
	M 9:00am - 11:50am	HJP 0210	Lab

0102	Raymond Weil TuTh 3:30pm - 4:45pm Tu 9:30am - 12:20pm	Seats (Total: 25) HJP 0226 HJP 0210	 Lab
0103	Raymond Weil TuTh 3:30pm - 4:45pm W 9:00am - 11:50am	Seats (Total: 25) HJP 0226 HJP 0210	 Lab
0104	Raymond Weil TuTh 3:30pm - 4:45pm Tu 5:00pm - 7:50pm	Seats (Total: 25) HJP 0226 HJP 0210	 Lab
0105	Raymond Weil TuTh 3:30pm - 4:45pm W 5:00pm - 7:50pm	Seats (Total: 25) HJP 0226 HJP 0210	 Lab
0106	Raymond Weil TuTh 3:30pm - 4:45pm Th 5:00pm - 7:50pm	Seats (Total: 25) HJP 0226 HJP 0210	 Lab

ENST250 **Environmental Issues and Culture in USA and Russia**

ENST250 Environmental Issues and Culture in USA and Russia; (1 credit) Grade Method: REG/P-F.
Recommended for Freshmen and Sophomores only. Explore environmental issues and culture with university students at Moscow State University of Environmental Engineering, Moscow, Russia via weekly videoconferences. Culture and environmental issues of both countries will be examined via individual and group presentations and guided discussions.

0101	Richard Weismiller W 9:00am - 9:50am	Seats (Total: 18) SYM 0118

ENST334 **Environmental Toxicology**

ENST334 Environmental Toxicology; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: BSCI207 and CHEM131/CHEM132 or permission of department.* Concepts and case histories in ecotoxicology. Emphasis on origin and variety of environmental pollutants, routes of biological exposure, modes of toxicological action and effects on individual organisms, populations and ecosystems. Ecotoxicological issues in the Chesapeake Bay will be used as examples.

0101	Daniel Fisher	Seats (Total: 30)
	TuTh 12:30pm - 1:45pm	ANS 0422

ENST389 **Internship**

ENST389 *(PermReq)* **Internship; (3 credits)** Grade Method: S-F.

0101	Patrick Kangas	Seats (Total: 20)
	Contact instructor or department for details.	

ENST405 **Energy and Environment**

ENST405 Energy and Environment; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: MATH140 or MATH220. Junior standing. Credit will be granted for only one of the following: ENST405, ENST605, NRMT489Z, or MEES698Z. Formerly NRMT489Z.* Introduction to the role of energy in environmental and human-dominated systems. Discussion of the historical and modern production and consumption of energy. Introduction to energy systems computer simulation and energy auditing. Also offered as ENST605 and MEES698Z.

0101	Stephanie Lansing	Seats (Total: 41)
	MWF 10:00am - 10:50am	ANS 0422

ENST411 **Principles of Soil Fertility**

ENST411 Principles of Soil Fertility; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: ENST200 or equivalent. Credit will be granted for only one of the following: ENST411 or NRSC411. Formerly NRSC411.* Soil factors affecting plant growth and quality with emphasis on the bio-availability of mineral nutrients. The management of soil systems to enhance plant growth by means of crop rotations, microbial activities, and use of organic and inorganic amendments.

0101	Raymond Weil	Seats (Total: 25)	
	TuTh 12:30pm - 1:45pm	HJP 1104	

ENST421 **Soil Chemistry**

ENST421 Soil Chemistry; (4 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ENST200 (formerly NRSC200). Credit will be granted for only one of the following: ENST421 or NRSC421. Formerly NRSC421. The chemistry and composition of mineral and organic colloids in soils, including ion exchange, oxidation-reduction, acidity, surface charge, and solution chemistry. Lectures and readings pertain to plant nutrition, waste disposal, and groundwater quality.

0101	Bruce James	Seats (Total: 25)	
	MWF 1:00pm - 1:50pm	HJP 1104	
	Tu 8:00am - 11:00am	HJP 0134	Lab

ENST430 **Wetland Soils**

ENST430 Wetland Soils; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ENST200 (formerly NRSC200). Credit will be granted for only one of the following: ENST430 or NRSC461. Formerly NRSC461. The soils of wetlands including hydrology, chemistry, genesis, and taxonomy are discussed. The understanding of federal and regional guidelines to wetland soils are covered with an emphasis on validating interpretations through field observations.

0101	Martin Rabenhorst	Seats (Total: 15)	
	MW 2:00pm - 3:00pm	HJP 1104	
	M 3:00pm - 6:00pm	HJP 0210	Lab

ENST436 **Emerging Environmental Threats**

ENST436 Emerging Environmental Threats; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ENST333 or permission of the department. Examine new and potential environmental concerns in the air, water, soil, space, and the built environment. Emphasis will be on studying the intrinsic links between ecosystems and human health. Topics will include climate change, resource consumption, biodiversity change, infectious diseases, non-traditional pollutants, and other complex and significant environmental concerns.

0101	Paul Leisnham	Seats (Total: 30)
	MWF 12:00pm - 12:50pm	ANS 0422

ENST440 **Crops, Soils and Civilization**

ENST440 Crops, Soils and Civilization; (3 credits) Grade Method: REG/P-F/AUD. CORE Diversity (D) Course.
Credit will be granted for only one of the following: ENST440 or NRSC440. Formerly NRSC440. Role and importance of crop and soil resources in the development of human civilization. History of crop and soil use and management as they relate to the persistence of ancient and modern cultures.

0101	Bruce James	Seats (Total: 42)
	MWF 11:00am - 11:50am	PLS 1119

ENST452 **Wetland Creation and Restoration**

ENST452 Wetland Creation and Restoration; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: BSCI106 and {ENST360 or BSCI362 or ENST450 or MEES650}; or permission of department. Also offered as ENST652 or MEES652. Credit will be granted for only one of the following: ENST452, ENST652, or MEES652. Design, construction, and evaluation of wetlands restored or created for ecosystem enhancement or mitigation. Topics will include ecological restoration theory, goal-setting, practices for establishing wetland hydrology, substrate, and vegetation, and restored ecosystem monitoring and functional assessment. Two mandatory Friday afternoon field trips will be held from 1:00-6:00pm (dates to be announced in class); hip length wading boots are recommended for field trips.

0101	Andrew Baldwin	Seats (Total: 40)
	TuTh 11:00am - 12:15pm	CHM 0128

ENST460 **Principles of Wildlife Management**

ENST460 Principles of Wildlife Management; (3 credits) Grade Method: REG/P-F/AUD.
Three Saturday field trips are scheduled. Prerequisite: Two semesters of biology laboratory or permission of department. Credit will be granted for only one of the following: ENST460 or NRMT460. Formerly NRMT460. Ecological principles and requirements of wildlife as basis for management, and introduction to the scientific literature. Conflicts in wildlife management, government administration of wildlife resources, legislation, and history of the wildlife management profession.

0101	Lowell Adams	Seats (Total: 40)
	TuTh 9:30am - 10:45am	ANS 0422

ENST462 **Field Techniques in Wildlife Management**

ENST462 Field Techniques in Wildlife Management; (2 credits) Grade Method: REG/P-F/AUD.
Recommended: NRMT460 and NRMT461. Credit will be granted for only one of the following: ENST462, NRMT462, or NRMT489B. Formerly NRMT462. Hands-on experience with field techniques in wildlife management focusing on various methods of conducting indices, estimates, and censuses of wildlife populations. Includes capture and handling of amphibians, reptiles, birds, and mammals by use of drift fences, cover boards, mist nets, box traps, and dart guns. Junior Standing.

0101	Lowell Adams	Seats (Total: 15)
	Th 12:30pm - 4:30pm	ANS 0538

ENST479 **Tropical Ecology and Resource Management**

ENST479 *(PermReq)* **Tropical Ecology and Resource Management; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: BSCI 106, an introductory economics course, and permission of the department. This is a travel-study course in which a trip to Belize is mandatory. Credit will be granted for only one of the following: ENST 479 or NRMT 479. Formerly NRMT 479.

0101	Patrick Kangas	Seats (Total: 10)
	Th 4:00pm - 4:50pm Contact instructor or department for details.	ANS 1420

ENST489 **Field Experience**

ENST489 *(PermReq)* **Field Experience; (1-4 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENST499 **Special Topics in Environmental Science and Technology**

ENST499 *(PermReq)* **Special Topics in Environmental Science and Technology; (3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENST499B **Special Topics in Environmental Science and Technology; Soil Judging**

ENST499B *(PermReq)* **Special Topics in Environmental Science and Technology: Soil Judging; (1 credit)** Grade Method: REG/P-F/AUD.

0101	Brian Needelman	Seats (Total: 15)
	Contact instructor or department for details.	

ENST499W **Special Topics in Environmental Science and Technology; Current Issues in Fisheries and Wildlife Sciences**

ENST499W Special Topics in Environmental Science and Technology: Current Issues in Fisheries and Wildlife Sciences; (3 credits) Grade Method: REG/P-F/AUD.

Prerequisite: ENST214 or a course in fish and/or wildlife sciences or management or conservation biology. Critical assessment of the issues that are relevant and timely to the science, managementand ethical considerations of fish and wildlife today. The course will encompass guest and student-led topic review on the principles by means of presentation and debate. Also offered as ENST689W and MEES698W.

0101	Reginal Harrell	Seats (Total: 35)
	TuTh 12:30pm - 1:45pm	ANS 0412

ENST499X **Special Topics in Environmental Science and Technology; Soil Science**

ENST499X *(PermReq)* **Special Topics in Environmental Science and Technology: Soil Science; (3 credits)** Grade Method: REG/P-F/AUD.

0101	Raymond Weil	Seats (Total: 5)
	Contact instructor or department for details.	

ENST499Y **Special Topics in Environmental Science and Technology; College Teaching**

ENST499Y *(PermReq)* **Special Topics in Environmental Science and Technology: College Teaching; (3 credits)** Grade Method: REG/P-F/AUD.

0101	Raymond Weil	Seats (Total: 2)
	Contact instructor or department for details.	

ENST605 **Energy and Environment**

ENST605 Energy and Environment; (3 credits) Grade Method: REG/AUD.
Prerequisite: MATH140 or MATH220. Credit will be granted for only one of the following: ENST405, ENST605, NRMT489Z, or MEES698Z. Exploration of the role of energy of environmental and human-dominated systems. Discussion of the historical and modern production and consumption of energy. Introduction to energy systems computer simulation and energy auditing.

0101	Stephanie Lansing	Seats (Total: 5)
	MWF 10:00am - 10:50am	ANS 0422

ENST608 **Research Methods**
Contact department for information to register for this course.

ENST611 **Advanced Principles of Soil Fertility**

ENST611 Advanced Principles of Soil Fertility; (3 credits) Grade Method: REG/AUD.
Prerequisite: ENST200. Credit will be granted for only one of the following: ENST411, NRSC411, or NEST611. Soil factors affecting plant growth and quality with emphasis on the bio-availability of mineral nutrients. The management of soil systems to enhance plant growth by means of crop rotations, microbial activities, and use of organic and inorganic amendments.

0101	Raymond Weil	Seats (Total: 5)
	TuTh 12:30pm - 1:45pm	HJP 1104

ENST630 **Advanced Wetland Soils**

ENST630 Advanced Wetland Soils; (3 credits) Grade Method: REG/AUD.

0101	Martin Rabenhorst	Seats (Total: 5)	
	MW 2:00pm - 3:00pm	HJP 1104	
	M 3:00pm - 6:00pm	HJP 0210	Lab
	W 11:00am - 12:00pm	HJP 1129	Discussion

ENST652 **Wetland Creation and Restoration**

ENST652 Wetland Creation and Restoration; (3 credits) Grade Method: REG/AUD. *Prerequisite: BSCI106 and {ENST360 or BSCI362 or ENST450 or MEES650}; or permission of department. Also offered as ENST452 or MEES652. Credit will be granted for only one of the following: ENST452, ENST652, or MEES652.* Design, construction, and evaluation of wetlands restored or created for ecosystem enhancement or mitigation. Topics will include ecological restoration theory, goal-setting, practices for establishing wetland hydrology, substrate, and vegetation, and restored ecosystem monitoring and functional assessment. Two mandatory Friday afternoon field trips will be held from 1:00-6:00pm (dates to be announced in class); hip length wading boots are recommended for field trips.

0101	Andrew Baldwin	Seats (Total: 40)
	TuTh 11:00am - 12:15pm	CHM 0128

ENST689W **Special Topics; Current Issues in Fisheries and Wildlife Sciences**

ENST689W Special Topics: Current Issues in Fisheries and Wildlife Sciences; (3 credits) Grade Method: REG/AUD.
Also offered as ENST499W and MEES698W.

0101	Reginal Harrell	Seats (Total: 35)
	TuTh 12:30pm - 1:45pm	ANS 0412

ENST689X **Special Topics; Methods in University Teaching**

ENST689X *(PermReq)* **Special Topics: Methods in University Teaching; (3 credits)** Grade Method: REG/AUD.

0101	Raymond Weil	Seats (Total: 2)
	Contact instructor or department for details.	

ENST702 **Communication and Professional Development in Environmental Science and Technology**

ENST702 Communication and Professional Development in Environmental Science and Technology; (2 credits) Grade Method: REG/AUD.

0101	Brian Needelman	Seats (Total: 25)	
	W 3:00pm - 3:50pm	ANS 1420	
	F 2:00pm - 4:00pm	ANS 1420	Discussion

ENST789 **Advances in Research**

Contact department for information to register for this course.

ENST798 **Graduate Seminar**

ENST798 Graduate Seminar; (1 credit) Grade Method: REG/AUD.

0101	Martin Rabenhorst	Seats (Total: 40)
	W 4:00pm - 4:50pm	ANS 0408

ENST799 **Master's Thesis Research**

ENST799 Master's Thesis Research; (1-6 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENST898 **Pre-Candidacy Research**

ENST898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENST899 **Doctoral Dissertation Research**

ENST899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENTM Entomology Spring 2009

ENTM612 **Insect Ecology**

ENTM612 Insect Ecology; (3 credits) Grade Method: REG/AUD.
Prerequisite: a course in general ecology or permission of department. An advanced course in population and community ecology, plant-insect interactions, and insect biogeography. Emphasis on current entomological literature.

0101	Daniel Gruner	Seats (Total: 30)
	MWF 9:00am - 9:50am	PLS 1111

ENTM699 **Advanced Entomology**

ENTM699 *(PermReq)* **Advanced Entomology; (1-6 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENTM699P **Advanced Entomology; Communicating Science through Popular Writing.**

ENTM699P Advanced Entomology: Communicating Science through Popular Writing.; (1 credit) Grade Method: REG/AUD.

0101	Instructor: TBA	Seats (Total: 10)
	Contact instructor or department for details.	

ENTM788C **Entomological Topics; Colloquium**

ENTM788C Entomological Topics: Colloquium; (1-3 credits) Grade Method: REG/AUD.

0101	Judd Nelson	Seats (Total: 100)
	F 12:00pm - 1:50pm	PLS 1130

ENTM798A **Topic Seminar; Seminar in Systematics and Morphology**

ENTM798A Topic Seminar: Seminar in Systematics and Morphology; (1 credit) Grade Method: REG/AUD.

0101	Charles Mitter	Seats (Total: 15)
	Contact instructor or department for details.	

ENTM799 **Master's Thesis Research**

ENTM799 Master's Thesis Research; (1-6 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENTM898 **Pre-Candidacy Research**

ENTM898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENTM899 **Doctoral Dissertation Research**

ENTM899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENTS Telecommunications Spring 2009

ENTS609 **Telecommunications Project**

ENTS609 *(PermReq)* **Telecommunications Project; (3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ENTS625 **Management and Organizational Behavior in the Telecommunications Industry**

ENTS625 Management and Organizational Behavior in the Telecommunications Industry; (3 credits) Grade Method: REG.

Roles of the general manager in: determining target markets and designing strategies for them; formulating and implementing corporate and business level strategies; and staffing, developing, and managing human resources and coordinating them with the organization's financial and physical resources. Also emphasizes the building of interpersonal skills with respect to the selection of members for work teams and team formation, leadership of teams toward the achievement of strategic goals and total quality, the development and motivation of team members, and the evaluation of team and individual performance.

0101	David Kressler W 5:30pm - 8:15pm	Seats (Total: 40) VMH 1333
0201	David Kressler Tu 5:30pm - 8:15pm	Seats (Total: 40) VMH 1335

ENTS632 **Telecommunications Marketing Management**

ENTS632 Telecommunications Marketing Management; (3 credits) Grade Method: REG/AUD.

Strategic marketing, sales and customer service challenges confronting organizations in the computer, communications and media industries. Volatile technology, regulatory and competitive environments as a backdrop to strategic planning and management in the marketing domain.

0101	Henry Boyd M 5:30pm - 8:15pm	Seats (Total: 35) VMH 1333
0201	William Rand Tu 2:00pm - 4:45pm	Seats (Total: 40) VMH 1206

ENTS641 **Communication Protocols**

ENTS641 Communication Protocols; (3 credits) Grade Method: REG/AUD.

Prerequisite: ENTS 640. Techniques for the specification, design, analysis, verification and testing of communication protocols are developed. Various protocol services will be discussed and example protocols given.

0101	Mehdi Kalantari Khandani F 5:30pm - 8:15pm	Seats (Total: 40) SKN 0104
0201	Mehdi Kalantari Khandani F 2:00pm - 4:45pm	Seats (Total: 40) WDS 1114

ENTS656 **Introduction to Cellular Communication Networks**

ENTS656 Introduction to Cellular Communication Networks; (3 credits) Grade Method: REG.
Prerequisite: ENTS 620 or equivalent. Concepts and techniques involved in wireless digital communications with emphasis on cellular and PCS systems. Properties of Mobile radio channels; intersymbol interference, multipath, and fading effects; interleaving and diversity; multiple access schemes (TDMA, FDMA, CDMA, SDMA); interuser interference, traffic issues, and cell capacity; power control strategies; frequency reuse and channel assignment; handoff, paging, and location update; cell layout; introduction to cellular and PCS standards.

0101	Michael Dellomo Tu 5:30pm - 8:15pm	Seats (Total: 40) EGR 0135

ENTS689D **Special Topics; Optimizaiton and Analysis of GSM Networks**

ENTS689D *(PermReq)* **Special Topics: Optimizaiton and Analysis of GSM Networks; (3 credits)** Grade Method: REG.
Prerequisite ENTS689A or ENTS656. Department permission is required.

0101	Michael Dellomo W 5:30pm - 8:15pm Th 3:00pm - 5:00pm	Seats (Total: 15) EGR 2116 Location: TBA	 Lab

ENTS689J **Special Topics; Introduction to Business and Entrepreneurship**

ENTS689J Special Topics: Introduction to Business and Entrepreneurship; (3 credits) Grade Method: REG.
This fundamentals course provides a broad introduction to various business issues that face any small business or start-up. Key issues presented in outlining clear value proposition, profitable business model, managing and monitoring finances, developing a winning team, legal considerations, marketing, manufacturing, sales and service.

0101	Oliver Schlake W 5:30pm - 8:15pm	Seats (Total: 30) VMH 1206

ENTS689K **Special Topics; Telecommunications Entrepreneurial Practicum**

ENTS689K *(PermReq)* **Special Topics: Telecommunications Entrepreneurial Practicum; (3 credits)** Grade Method: REG.

0201	Michael Dellomo Contact instructor or department for details.	Seats (Total: 3)

ENTS689L **Special Topics; Cellular Network Infrastructure- Cell Site Design and Components**

ENTS689L Special Topics: Cellular Network Infrastructure- Cell Site Design and Components; (3 credits) Grade Method: REG.
Click here for more course information.

0101	Rikin Thakker M 5:30pm - 8:15pm	Seats (Total: 25) EGR 2116

ENTS689N **Special Topics; Network Programming & Design**

ENTS689N Special Topics: Network Programming & Design; (3 credits) Grade Method: REG.
Click here for more course information.

0101	Majid Raissi-Dehkordi Th 5:30pm - 8:15pm	Seats (Total: 20) EGR 0135

ENTS689P **Special Topics; Project Management for Telecommunications**

ENTS689P Special Topics: Project Management for Telecommunications; (3 credits) Grade Method: REG.

0101	Christopher White W 5:30pm - 8:15pm	Seats (Total: 30) VMH 1335

ENTS699 **Independent Study in Telecommunications**

ENTS699 *(PermReq)* **Independent Study in Telecommunications; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EPIB Epidemiology and Biostatistics Spring 2009

EPIB610 **Foundations of Epidemiology**

EPIB610 *(PermReq)* **Foundations of Epidemiology; (3 credits)** Grade Method: REG/AUD.
Not open to students who have completed HLTH720. Credit will be granted for only one of the following: EPIB610 or HLTH720. Formerly HLTH720. Introduction to the discipline of epidemiology and its applications to health issues and practices. Basic epidemiologic concepts and methods will be covered. By permission of department only.

0101	Deborah Young	Seats (Total: 30)
	Th 4:00pm - 6:45pm	SPH 0305

EPIB611 **Intermediate Epidemiology**

EPIB611 *(PermReq)* **Intermediate Epidemiology; (3 credits)** Grade Method: REG/AUD.
Prerequisite: EPIB610. Analysis of epidemiologic methods as applied to epidemiologic research, analysis of bias, confounding, effect modification issues, overview of design, implementation, and analysis of epidemiologic studies.

0101	Sunmin Lee	Seats (Total: 20)
	M 4:00pm - 6:45pm	SPH 0308

EPIB620 **Chronic Disease Epidemiology**

EPIB620 Chronic Disease Epidemiology; (3 credits) Grade Method: REG/AUD.
Prerequisite: EPIB610. Overview of prevalence and risk factors for major chronic diseases. Discussion of methodological issues unique to specific chronic disease.

0101	Olivia Carter-Pokras	Seats (Total: 25)
	Tu 4:00pm - 6:45pm	PLS 1164

EPIB623 **Epidemiology of Health Disparities**

EPIB623 *(PermReq)* **Epidemiology of Health Disparities; (3 credits)** Grade Method: REG/AUD.
Prerequisite: EPIB610. Determinants that influence health outcomes of the most disadvantaged populations in the United States. Focus on social factors contributing to health disparities and inequities in the US.

0101	Olivia Carter-Pokras W 4:00pm - 6:45pm	Seats (Total: 25) SPH 1302

EPIB626 **Epidemiology of Obesity**

EPIB626 Epidemiology of Obesity; (3 credits) Grade Method: REG/AUD.
Prerequisite: EPIB610. Overview of evidence of the epidemiological association of physical activity to a variety of health outcomes, application of epidemiological methods to the science of physical activity and health.

0101	Deborah Young F 12:00pm - 3:00pm	Seats (Total: 30) SPH 1242H

EPIB641 **Public Health and Research Ethics**

EPIB641 *(PermReq)* **Public Health and Research Ethics; (1 credit)** Grade Method: REG/AUD.
Overview and discussion of ethical issues that face public health practitioners and researchers.

0101	James Hagberg, Deborah Young F 11:00am - 11:50am *Also offered as KNES689Y*	Seats (Total: 30) SPH 0305

EPIB650 **Biostatistics I**

EPIB650 *(PermReq)* **Biostatistics I; (3 credits)** Grade Method: REG/AUD.
Formerly: HLTH651 and HLTH688B. Not open to students who have completed HLTH651 or HLTH688B. Credit will be granted for only one of the following: EPIB650, HLTH651, or HLTH688B. Basic statistical concepts and procedures for Public Health. Focuses on applications, hands-on-experience, and interpretations of statistical findings.

0101	Aidan McDermott W 7:00pm - 9:45pm	Seats (Total: 30) SPH 0303

EPIB651 **Biostatistics II**

EPIB651 *(PermReq)* **Biostatistics II; (3 credits)** Grade Method: REG/AUD.
Prerequisite: EPIB650. Introduction to a variety of stattistical tools with applictions in public health, including simple and mutiple regression, experimental design, categorical data analysis, logistic regression, and survival analysis.

0101	Tongtong Wu W 4:00pm - 6:45pm	Seats (Total: 20) SPH 0307

EPIB653 **Survival Data Analysis**

EPIB653 *(PermReq)* **Survival Data Analysis; (3 credits)** Grade Method: REG/AUD.
Prerequisite: EPIB650 and EPIB651. Overview of statistical methods for anlayzing censored survival data, including the Kaplan-Meier estimator and the log-rank test.

0101	Mei-Ling Lee Th 4:00pm - 6:45pm	Seats (Total: 25) SPH 0302

EPIB655 **Longitudinal Data Analysis**

EPIB655 *(PermReq)* **Longitudinal Data Analysis; (3 credits)** Grade Method: REG/AUD.
Prerequisite: EPIB650 and EPIB651. Statistical models for drawing scientific inferences from longitudinal data, longitudinal study design, repeated measures and random effects to account for experimental designs that involve correlated responses, handling of missing data.

0101	Guangyu Zhang F 1:00pm - 3:45pm	Seats (Total: 20) SPH 0307

EPIB785 **Internship in Public Health**

EPIB785 *(PermReq)* **Internship in Public Health; (3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: permission of department. Internship and seminar providing an opportunity to apply previously acquired knowledge and skills in a health or allied health organization. Setting of the internship will depend upon the student's background and career goals.

Contact department for information to register for this course.

EPIB786 **Capstone Project in Public Health**

EPIB786 *(PermReq)* **Capstone Project in Public Health; (3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: permission of department. Capstone experience providing opportunity to apply knowledge and skills to a specific public health problem or issue. Completion of project relevant to public health under the direction of an advisor.

Contact department for information to register for this course.

EPIB788 **Critical Readings in Epidemiology and Biostatistics**

EPIB788 *(PermReq)* **Critical Readings in Epidemiology and Biostatistics; (1-3 credits)** Grade Method: REG/AUD.

0101	Instructor: TBA Contact instructor or department for details.	Seats (Total: 10)
0202	Dushanka Kleinman Contact instructor or department for details.	Seats (Total: 10)
0203	Sunmin Lee Contact instructor or department for details.	Seats (Total: 10)
0204	Tongtong Wu Contact instructor or department for details.	Seats (Total: 10)
0205	Deborah Young Contact instructor or department for details.	Seats (Total: 10)
0206	Guangyu Zhang Contact instructor or department for details.	Seats (Total: 10)

0207	Olivia Carter-Pokras Contact instructor or department for details.	Seats (Total: 10)
0208	Mei-Ling Lee Contact instructor or department for details.	Seats (Total: 10)
0209	Brit Saksvig Contact instructor or department for details.	Seats (Total: 10)

EPIB798 **Independent Study**

EPIB798 *(PermReq)* **Independent Study; (1-6 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

EPIB799 **Master's Thesis Research**

EPIB799 *(PermReq)* **Master's Thesis Research; (1-6 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

FMSC Family Science Spring 2009

FMSC105 **Individuals in Families**

FMSC105 Individuals in Families; (3 credits) Grade Method: REG/P-F/AUD. *Credit will be granted for only one of the following: FMSC105 or FMST105. Formerly FMST105.* Personal growth and development within the family context. Exploration of self-awareness, sex-role image, life transitions, and interpersonal and family relations.

0101	Katie Hrapczynski MWF 10:00am - 10:50am	Seats (Total: 50) TYD 1101

FMSC260 **Couple Relationships**

FMSC260 Couple Relationships; (3 credits) Grade Method: REG/P-F/AUD. *Credit will be granted for only one of the following: FMSC260 or FMST260. Formerly FMST260.* Couple relationships and their alternatives in contemporary dating, courtship and marriage.

0101	Jaslean La Taillade TuTh 2:00pm - 3:15pm	Seats (Total: 65) ARM 0112	

FMSC290 **Family Economics**

FMSC290 Family Economics; (3 credits) Grade Method: REG/P-F/AUD.
Credit will be granted for only one of the following: FMSC290 or FMST290. Formerly FMST290. Application of economic methodology to study families under various economic situations. Examination of how decisions about marriage, divorce, fertility, consumption and time use are influenced by labor/housing markets, tax structure, social welfare benefits and other economic considerations.

0101	Manouchehr Mokhtari TuTh 5:00pm - 6:15pm	Seats (Total: 70) MMH 1400	

FMSC302 **Research Methods in Family Science**

FMSC302 Research Methods in Family Science; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: introductory statistics course. For FMSC majors only. Credit will be granted for only one of the following: FMSC302 or FMST302. Formerly FMST302. Introduction to the methods of the social and behavioral sciences employed in family science. The role of theory, the development of hypotheses, measurement, design, and data analysis.

0101	Katherine Speirs Tu 9:30am - 10:45am Th 9:30am - 10:45am	Seats (Total: 30) MMH 1400 MMH 1400	 Discussion
0102	Katherine Speirs Tu 9:30am - 10:45am Th 9:30am - 10:45am	Seats (Total: 30) MMH 1400 MMH 1318	 Discussion

FMSC330 **Family Theories and Patterns**

FMSC330 Family Theories and Patterns; (3 credits) Grade Method: REG/P-F/AUD.
Junior standing. Credit will be granted for only one of the following: FMSC330 or FMST330. Formerly FMST330. Theory and research on the family, including a cross-cultural analysis of family patterns.

0101	Robyn Zeiger MWF 12:00pm - 12:50pm	Seats (Total: 65) MMH 1304
0201	Stephanie Grutzmacher TuTh 9:30am - 10:45am	Seats (Total: 65) MMH 1304
0301	Nicolle Buckmiller TuTh 12:30pm - 1:45pm	Seats (Total: 65) MMH 1304

FMSC332 **Children in Families**

FMSC332 Children in Families; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: FMSC/FMST105 or PSYC100. Credit will be granted for only one of the following: FMSC332 or FMST332. Formerly FMST332.* A family life education approach to the study of children and families. Emphasis on the interaction of children with parents, siblings, extended kin, and the community.

0101	Christine Schull TuTh 9:30am - 10:45am	Seats (Total: 49) MMH 0108
0201	Kate Riera TuTh 11:00am - 12:15pm	Seats (Total: 49) MMH 0108
0301	Lisa Benson MWF 10:00am - 10:50am	Seats (Total: 60) MMH 1304
0401	Laura Evans MWF 12:00pm - 12:50pm	Seats (Total: 60) TYD 2106
0501	Kimberly Van Putten-Garnder Th 12:00pm - 2:30pm	Seats (Total: 60) MMH 1400

FMSC341 **Personal and Family Finance**

FMSC341 Personal and Family Finance; (3 credits) Grade Method: REG/P-F/AUD. *Credit will be granted for only one of the following: FMSC341 or FMST341. Formerly FMST341.* Individual and family financial strategies with emphasis on financial planning, savings, investments, insurance, income taxes, housing, and use of credit. Planning, analyzing, and controlling financial resources to resolve personal/family financial problems and to attain financial security.

0101	Manouchehr Mokhtari TuTh 6:30pm - 7:45pm	Seats (Total: 70) MMH 1400
SG91	William Knight M 2:00pm - 4:50pm *Registration is restricted to Shady Grove campus Biological Sciences students.*	Seats (Total: 26) SG3 2202
SG92	William Knight M 2:00pm - 4:50pm *This section is restricted to BMGT-Shady Grove majors who need to fulfi l the Advanced Study requirement. This section is for junior Accountin g, Marketing and international Business majors or senior Entrepreneurshi p majors.*	Seats (Total: 54) SG3 2202

FMSC381 **Poverty, Affluence, and Families**

FMSC381 Poverty, Affluence, and Families; (3 credits) Grade Method: REG/P-F. CORE Diversity (D) Course.
Prerequisite: SOCY100 or SOCY105. Credit will be granted for only one of the following: FMSC381 or FMST381. Formerly FMST381. Social, political, cultural and economic factors influencing income and wealth in American families.

0101	Colleen Vesely MWF 9:00am - 9:50am	Seats (Total: 60) MMH 1304
0201	Kevin Roy TuTh 2:00pm - 3:15pm	Seats (Total: 60) MMH 1304
SG91	April Kaplan MW 9:30am - 10:45am *This section meets at the Shady Grove campus.*	Seats (Total: 50) SG3 3230

FMSC383 **Delivery of Human Services to Families**

FMSC383 Delivery of Human Services to Families; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: FMSC/FMST330. Credit will be granted for only one of the following: FMSC381 or FMST381. Formerly FMST381. Processes of service delivery with special emphasis upon relationships among managers, service providers and clients. The impact of human service systems on families.

0101	Megan Fitzgerald MWF 11:00am - 11:50am	Seats (Total: 50) ARM 0112

FMSC399 **Independent Study**

FMSC399 *(PermReq)* **Independent Study; (1-6 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

FMSC431 **Family Crises and Intervention**

FMSC431 Family Crises and Intervention; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: PSYC100. Credit will be granted for only one of the following: FMSC431 or FMST431. Formerly FMST431. Family crises such as divorce, disability, substance abuse, financial problems, intra-familial abuse, and death. Theories and techniques for intervention and enhancement of family coping strategies.

0101	Robyn Zeiger MWF 1:00pm - 1:50pm	Seats (Total: 50) MMH 1304

FMSC432 **Adult Development and Aging in Families**

FMSC432 Adult Development and Aging in Families; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: PSYC100; and {SOCY100 or SOCY105}; and FMSC/FMST332 {or a comparable development course}. Credit will be granted for only one of the following: FMSC432 or FMST432. Formerly FMST432. Theory, research, history, and programming related to adult development and aging in the intergenerational context of family.

0101	Jacqueline Wallen MWF 11:00am - 11:50am	Seats (Total: 40) MMH 1304
0201	Jacqueline Wallen MWF 1:00pm - 1:50pm	Seats (Total: 40) MMH 1400

FMSC460 **Violence in Families**

FMSC460 Violence in Families; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: PSYC100 or SOCY100 or SOCY105. Credit will be granted for only one of the following: FMSC460 or FMST460. Formerly FMST460.* Theories of child, spouse, and elder abuse in the family setting. Emphasis on historical, psychological, sociological and legal trends relating to physical, emotional, and sexual abuse. Introduction to methods for prevention and remediation.

0101	Christine Schull TuTh 11:00am - 12:15pm	Seats (Total: 65) TYD 2109

FMSC477 **Internship and Analysis in Family Science**

FMSC477 *(PermReq)* **Internship and Analysis in Family Science; (3 credits)** Grade Method: REG.
Prerequisite: FMST383, plus an additional six FMSC/FMST credits and permission of department. For FMST majors only. Credit will be granted for only one of the following: FMSC477, FMST347 or FMST477. Formerly FMST477. A supervised internship and a seminar requiring analysis. Opportunities to integrate theory and practice including 120 hours of contracted field experience. Summer or fall internship contracts due May 1; Spring contracts due December 1. See department for application procedures. Deadlines for applying, see Guide in MMH 1216.For FMSC Majors Only.

0101	Ashley Downing, Tiffani Stevenson Lloyd W 3:30pm - 5:00pm Contact instructor or department for details.	Seats (Total: 75) MMH 1400

FMSC485 **Introduction to Family Therapy**

FMSC485 Introduction to Family Therapy; (3 credits) Grade Method: REG.
Prerequisite: FMSC/FMST330 or FMSC/FMST370; or one psychology course at 300 or above level. Credit will be granted for only one of the following: FMSC485 or FMST485. Formerly FMST485. The fundamental theoretical concepts and clinical procedures of marital and family therapy including premarital and divorce therapy issues.

0101	Lindsey Hoskins TuTh 3:30pm - 4:45pm	Seats (Total: 40) ARM 0116

FMSC487 **Legal Aspects of Family Problems**

FMSC487 Legal Aspects of Family Problems; (3 credits) Grade Method: REG/P-F/AUD.
Credit will be granted for only one of the following: FMSC487 or FMST487. Formerly FMST487. Laws and legal procedures, with emphasis on adoption, marriage, divorce, annulment, and property rights, and how they affect family life.

0101	Kerry Tripp	Seats (Total: 65)
	TuTh 11:00am - 12:15pm	MMH 1304

FMSC498 **Special Topics: Family Science; Family Studies**

FMSC498 *(PermReq)* **Special Topics: Family Science: Family Studies; (1-3 credits)** Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

FMSC498H **Special Topics: Family Science; Family Studies Honors Thesis**

FMSC498H Special Topics: Family Science: Family Studies Honors Thesis; (1-3 credits) Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

FMSC498M **Special Topics: Family Science; Theory and Techniques of Family Mediation**

FMSC498M Special Topics: Family Science: Theory and Techniques of Family Mediation; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as FMST647.

0101	Kerry Tripp	Seats (Total: 40)
	Tu 12:30pm - 3:15pm	KEY 1117

FMSC641 **Couples Therapy, Theory, and Techniques**

FMSC641 *(PermReq)* **Couples Therapy, Theory, and Techniques; (3 credits)** Grade Method: REG.
Prerequisite: FMSC/FMST640. Credit will be granted for only one of the following: FMSC641 or FMSC641. Formerly FMST641. Overview of theoretical models of couple relationships and methods of facilitating growth and interaction within those relationships. Emphasis on couples with conflicting needs and expectations, and dysfunctional communication and conflict negotiation skills.

0101	Norman Epstein Th 1:00pm - 3:45pm	Seats (Total: 15) MMH 1310

FMSC647 **Theory and Techniques of Family Mediation**

FMSC647 Theory and Techniques of Family Mediation; (3 credits) Grade Method: REG/AUD.
Credit will be granted for only one of the following: FMSC647 or FMST647. Formerly FMST647. An introduction to family mediation as an approach to helping families deal effectively with the issues associated with separation and divorce. Theory, practice, and techniques of negotiation, with an emphasis on custody, property division, and the constructive restructuring of family relationships. Also offered as FMST498M.

0101	Kerry Tripp Tu 12:30pm - 3:15pm	Seats (Total: 40) KEY 1117

FMSC651 **Psychopathology in the Family Context**

FMSC651 *(PermReq)* **Psychopathology in the Family Context; (3 credits)** Grade Method: REG/AUD.
Prerequisite: FMSC/FMST650. Limited to students admitted to the family therapy program. Credit will be granted for only one of the following: FMSC651 or FMST651. Formerly FMST651. Diagnosis and treatment of psychopathology within the family context, with application of various family therapy models.

0101	Jaslean La Taillade Tu 9:00am - 11:45am Contact instructor or department for details.	Seats (Total: 15) MMH 1310

FMSC653 **Advanced Application of MFT Models and Techniques**

FMSC653 *(PermReq)* **Advanced Application of MFT Models and Techniques; (3 credits)** Grade Method: REG/AUD.
Prerequisite: FMSC/FMST652. Limited to students admitted to the family therapy program. Credit will be granted for only one of the following: FMSC653 or FMST653. Formerly FMSC653. Advanced application and integration of family therapy skills and theoretical models in the practice of marriage and family therapy. Emphasis on treatment plans from different therapeutic models demonstrated in case presentations and supervision of therapy.

0101	Carol Werlinich Tu 9:00am - 11:45am Contact instructor or department for details.	Seats (Total: 15) MMH 1108A

FMSC658 **Supervised Clinical Practice of Marriage and Family Therapy; Theory and Practice of Clinical Supervision**

FMSC658 *(PermReq)* **Supervised Clinical Practice of Marriage and Family Therapy: Theory and Practice of Clinical Supervision; (2 credits)** Grade Method: REG/AUD.

0101	Carol Werlinich Contact instructor or department for details.	Seats (Total: 10)
0201	Jaslean La Taillade W 9:00am - 12:00pm	Seats (Total: 10) MMH 2303
0301	Leigh Leslie W 9:00am - 12:00pm	Seats (Total: 10) Location: TBA

FMSC689 **Internship**

FMSC689 *(PermReq)* **Internship; (3-6 credits)** Grade Method: REG/AUD.

0101	Elaine Anderson Contact instructor or department for details.	Seats (Total: 20)

FMSC698 **Advanced Topics in Family Science**

FMSC698 *(PermReq)* **Advanced Topics in Family Science; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Must have written permission of faculty member and chairperson.

Contact department for information to register for this course.

FMSC699 **Independent Study**

FMSC699 *(PermReq)* **Independent Study; (1-6 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

FMSC700 **Application of Advanced Quantitative Methods in Family Research**

FMSC700 Application of Advanced Quantitative Methods in Family Research; (3 credits) Grade Method: REG/AUD.
Prerequisite: FMSC610 or equivalent; and EDMS646. Formerly: FMST698R (Spring 2007) and FMSC698R (Spring 2008). Optimal use of various designs, statistical methods and procedures in behavioral research in families.

0101	Sandra Hofferth	Seats (Total: 15)
	M 1:00pm - 3:45pm	MMH 1402

FMSC730 **Maternal and Family Health in Adulthood and Aging**

FMSC730 Maternal and Family Health in Adulthood and Aging; (3 credits) Grade Method: REG/AUD.
Prerequisite: permission of instructor. Overview of major public health problems during the adult and elderly years, including cigarette smoking, obesity, physical inactivity, substance abuse, risky sexual behavior, cardiovascular disease, cancer, diabetes, osteoporosis, and HIV/AIDS. Examination of life course research, prevention, and intervention programs, and public information campaigns.

0101	Samuel Kessel, Edmond Shenassa	Seats (Total: 15)
	M 1:00pm - 3:45pm	MMH 1108A

FMSC745 **Gender and Ethnicity in Family Therapy and Service Delivery**

FMSC745 *(PermReq)* **Gender and Ethnicity in Family Therapy and Service Delivery; (3 credits)** Grade Method: REG/AUD.
Credit will be granted for only one of the following: FMSC745 or FMST745. Formerly FMST745. Major critiques of sources of racial, cultural, and gender bias in marital and family therapy and family service delivery. Addresses these issues in program development and clinical practice.

0101	Leigh Leslie	Seats (Total: 10)
	Th 9:00am - 11:45am	MMH 1108A

FMSC789 **Non-Thesis Research**

FMSC789 *(PermReq)* **Non-Thesis Research; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

FMSC799 **Master's Thesis Research**

FMSC799 *(PermReq)* **Master's Thesis Research; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.
Must have written permission of faculty member and chairperson.

Contact department for information to register for this course.

FMSC810 **Theory in Family Systems and Family Health**

FMSC810 Theory in Family Systems and Family Health; (3 credits) Grade Method: REG/AUD.
Prerequisite: permission of instructor. Credit will be granted for only one of the following: FMSC810, FMST698P, or FMST810. Formerly FMST810. Theory and research on family interaction and family coping with normative health and mental health transitins and non-normative crises across the family life cycle. Micro-analysis of family process in communication, decision-making, problem-solving, and compliance to health regimens. Examination of dysfunctional patterns and effective coping strategies.

0101	Norman Epstein	Seats (Total: 15)
	Tu 1:00pm - 3:45pm	MMH 1108A

FMSC898 **Pre-Candidacy Research**

FMSC898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

FMSC899 **Doctoral Dissertation Research**

FMSC899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

FOLA Foreign Language Spring 2009

FOLA138A **Directed Study of a Foreign Language I; Hungarian I**

MODERN GREEK COURSES ARE NOW LISTED UNDER THE GREEK PREFIX OFFERED BY THE CLASSICS DEPARTMENT INSTEAD OF THE FOLA PREFIX OFFERED UNDER THE SCHOOL OF FOREIGN LANGUAGES.

SELF-INSTRUCTIONAL LANGUAGE PROGRAM. The program is essentially self-instructional and enrollment is strictly limited. The student supplies a blank tape and receives a recorded tape with the week's lesson. There is also a manual designed for self-instruction which the student is required to purchase. A native speaking tutor will be assigned to drill the student in the material learned from the tape and the accompanying manual. Attendance at drill sessions is required. There will be one final examination administered by an outside examiner.The entire semester's grade will derive from this examination. All students planning to take one of the following courses (FOLA 138_- FOLA 159_) must complete an application (available in JMZ 1109). A mandatory orientation and scheduling meeting will be held at the beginning of the semester. Details will be posted outside of JMZ 1109. Only the languages listed below are offered in the program.

FOLA138A *(PermReq)* **Directed Study of a Foreign Language I: Hungarian I; (3 credits)** Grade Method: REG/P-F/AUD.

0101	Naime Yaramanoglu	Seats (Total: 3)	
	Tu 2:00pm - 4:00pm Contact instructor or department for details.	JMZ 1123	Lab

0201	Naime Yaramanoglu	Seats (Total: 2)	
	W 3:00pm - 4:30pm	JMZ 0118	Lab
	Contact instructor or department for details.		

FOLA138D **Directed Study of a Foreign Language I; Dutch I**

FOLA138D *(PermReq)* **Directed Study of a Foreign Language I: Dutch I; (3 credits)** Grade Method: REG/P-F/AUD.

0101	Naime Yaramanoglu	Seats (Total: 4)	
	MW 2:00pm - 3:15pm	JMZ 1211	Lab

FOLA138E **Directed Study of a Foreign Language I; Tagalog I**

FOLA138E *(PermReq)* **Directed Study of a Foreign Language I: Tagalog I; (3 credits)** Grade Method: REG/P-F/AUD.

0101	Naime Yaramanoglu	Seats (Total: 8)	
	F 4:00pm - 6:00pm	JMZ 0118	Lab
	Contact instructor or department for details.		

FOLA138F **Directed Study of a Foreign Language I; Polish I**

FOLA138F *(PermReq)* **Directed Study of a Foreign Language I: Polish I; (3 credits)** Grade Method: REG/P-F/AUD.

0101	Naime Yaramanoglu	Seats (Total: 3)	
	Contact instructor or department for details.		
	Contact instructor or department for details.		

FOLA138M **Directed Study of a Foreign Language I; Swahili I**

FOLA138M *(PermReq)* **Directed Study of a Foreign Language I: Swahili I; (3 credits)** Grade Method: REG/P-F/AUD.

0101	Naime Yaramanoglu	Seats (Total: 5)	
	M 9:30am - 10:30am	JMZ 3203	Lab
	Contact instructor or department for details.		

FOLA138P **Directed Study of a Foreign Language I; Hindi I**

FOLA138P *(PermReq)* **Directed Study of a Foreign Language I: Hindi I; (3 credits)** Grade Method: REG/P-F/AUD.

0101	Naime Yaramanoglu	Seats (Total: 7)	
	W 6:00pm - 8:00pm Contact instructor or department for details.	JMZ 1117	Lab

FOLA138R **Directed Study of a Foreign Language I; Turkish I**

FOLA138R *(PermReq)* **Directed Study of a Foreign Language I: Turkish I; (3 credits)** Grade Method: REG/P-F/AUD.

0101	Naime Yaramanoglu	Seats (Total: 4)	
	M 3:30pm - 5:30pm Contact instructor or department for details.	JMZ 1226	Lab

FOLA138T **Directed Study of a Foreign Language I; Vietnamese I**

FOLA138T *(PermReq)* **Directed Study of a Foreign Language I: Vietnamese I; (3 credits)** Grade Method: REG/P-F/AUD.

0101	Naime Yaramanoglu	Seats (Total: 4)	
	M 6:00pm - 8:00pm Contact instructor or department for details.	JMZ 1226	Lab

FOLA138V **Directed Study of a Foreign Language I; Armenian I**

FOLA138V *(PermReq)* **Directed Study of a Foreign Language I: Armenian I; (3 credits)** Grade Method: REG/P-F/AUD.

0101	Naime Yaramanoglu	Seats (Total: 4)	
	Contact instructor or department for details. Contact instructor or department for details.		

FOLA139A **Directed Study of a Foreign Language II; Hungarian II**

FOLA139A *(PermReq)* **Directed Study of a Foreign Language II: Hungarian II; (3 credits)** Grade Method: REG/P-F/AUD.

0101	Naime Yaramanoglu	Seats (Total: 2)	
	Tu 4:00pm - 5:30pm	JMZ 1123	Lab
	Contact instructor or department for details.		

FOLA139D **Directed Study of a Foreign Language II; Dutch II**

FOLA139D *(PermReq)* **Directed Study of a Foreign Language II: Dutch II; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: FOLA 138D or consent of director.

0101	Naime Yaramanoglu	Seats (Total: 2)	
	MW 9:00am - 10:00am	JMZ 1123	Lab
	Contact instructor or department for details.		

FOLA139E **Directed Study of a Foreign Language II; Tagalog II**

FOLA139E *(PermReq)* **Directed Study of a Foreign Language II: Tagalog II; (3 credits)** Grade Method: REG/P-F/AUD.

0101	Naime Yaramanoglu	Seats (Total: 5)
	Contact instructor or department for details.	
	Contact instructor or department for details.	

FOLA139F **Directed Study of a Foreign Language II; Polish II**

FOLA139F *(PermReq)* **Directed Study of a Foreign Language II: Polish II; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: FOLA 138F or consent of director.

0101	Naime Yaramanoglu	Seats (Total: 2)
	Contact instructor or department for details.	
	Contact instructor or department for details.	

FOLA139M **Directed Study of a Foreign Language II; Swahili II**

FOLA139M *(PermReq)* **Directed Study of a Foreign Language II: Swahili II; (3 credits)** Grade Method: REG/P-F/AUD.

0101	Naime Yaramanoglu	Seats (Total: 5)	
	W 5:00pm - 6:00pm	JMZ 1226	Lab
	Th 3:30pm - 4:30pm	JMZ 1226	Lab
	Contact instructor or department for details.		

FOLA139P **Directed Study of a Foreign Language II; Hindi II**

FOLA139P *(PermReq)* **Directed Study of a Foreign Language II: Hindi II; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: FOLA 138P or consent of director.

0101	Naime Yaramanoglu	Seats (Total: 8)	
	Th 6:00pm - 8:00pm	JMZ 1117	Lab
	Contact instructor or department for details.		

FOLA139R **Directed Study of a Foreign Language II; Turkish II**

FOLA139R *(PermReq)* **Directed Study of a Foreign Language II: Turkish II; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: FOLA 138R or consent of program director.

0101	Naime Yaramanoglu	Seats (Total: 3)	
	Contact instructor or department for details.		
	Contact instructor or department for details.		

FOLA139T **Directed Study of a Foreign Language II; Vietnamese II**

FOLA139T *(PermReq)* **Directed Study of a Foreign Language II: Vietnamese II; (3 credits)** Grade Method: REG/P-F/AUD.

0101	Naime Yaramanoglu	Seats (Total: 3)	
	Tu 6:00pm - 8:00pm	JMZ 3122	Lab
	Contact instructor or department for details.		

FOLA139V **Directed Study of a Foreign Language II; Armenian II**

FOLA139V *(PermReq)* **Directed Study of a Foreign Language II: Armenian II; (3 credits)** Grade Method: REG/P-F/AUD.

0101	Naime Yaramanoglu	Seats (Total: 2)	
	Contact instructor or department for details. Contact instructor or department for details.		

FOLA148A **Directed Study of a Foreign Language III; Hungarian III**

FOLA148A *(PermReq)* **Directed Study of a Foreign Language III: Hungarian III; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: FOLA 139A or consent of program director.

0101	Naime Yaramanoglu	Seats (Total: 2)	
	W 4:30pm - 6:00pm Contact instructor or department for details.	JMZ 1103	Lab

FOLA148D **Directed Study of a Foreign Language III; Dutch III**

FOLA148D *(PermReq)* **Directed Study of a Foreign Language III: Dutch III; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: FOLA 138D or consent of program director.

0101	Naime Yaramanoglu	Seats (Total: 2)	
	Contact instructor or department for details. Contact instructor or department for details.		

FOLA148E **Directed Study of a Foreign Language III; Tagalog III**

FOLA148E *(PermReq)* **Directed Study of a Foreign Language III: Tagalog III; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: FOLA 139E or permission of the program coordinator.

0101	Naime Yaramanoglu	Seats (Total: 2)	
	Contact instructor or department for details. Contact instructor or department for details.		

FOLA148F **Directed Study of a Foreign Language III; Polish III**

FOLA148F *(PermReq)* **Directed Study of a Foreign Language III: Polish III; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: FOLA 139F or permission of program director.

0101	Naime Yaramanoglu	Seats (Total: 2)	
	Contact instructor or department for details.		
	Contact instructor or department for details.		

FOLA148M **Directed Study of a Foreign Language III; Swahili III**

FOLA148M *(PermReq)* **Directed Study of a Foreign Language III: Swahili III; (3 credits)** Grade Method: REG/P-F/AUD.

0101	Naime Yaramanoglu	Seats (Total: 2)	
	Contact instructor or department for details.		
	Contact instructor or department for details.		

FOLA148P **Directed Study of a Foreign Language III; Hindi III**

FOLA148P *(PermReq)* **Directed Study of a Foreign Language III: Hindi III; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: FOLA 139P or consent of program director.

0101	Naime Yaramanoglu	Seats (Total: 10)	
	W 6:00pm - 8:00pm	JMZ 3122	Lab
	Contact instructor or department for details.		

FOLA148R **Directed Study of a Foreign Language III; Turkish IV**

FOLA148R *(PermReq)* **Directed Study of a Foreign Language III: Turkish IV; (3 credits)** Grade Method: REG/P-F/AUD.

0101	Naime Yaramanoglu	Seats (Total: 2)	
	W 10:00am - 11:00am	HBK 0125	Lab
	Contact instructor or department for details.		

FOLA148T **Directed Study of a Foreign Language III; Vietnamese III**

FOLA148T *(PermReq)* **Directed Study of a Foreign Language III: Vietnamese III; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: FOLA 139T or consent of director.

0101	Naime Yaramanoglu	Seats (Total: 3)	
	Contact instructor or department for details.		
	Contact instructor or department for details.		

FOLA148V **Directed Study of a Foreign Language III; Armenian III**

FOLA148V *(PermReq)* **Directed Study of a Foreign Language III: Armenian III; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: FOLA 139V or consent of director.

0101	Naime Yaramanoglu	Seats (Total: 2)	
	Contact instructor or department for details.		
	Contact instructor or department for details.		

FOLA149A **Directed Study of a Foreign Language IV; Hungarian IV - Intermediate**

FOLA149A *(PermReq)* **Directed Study of a Foreign Language IV: Hungarian IV - Intermediate; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: FOLA 148A or consent of director.

0101	Naime Yaramanoglu	Seats (Total: 1)	
	Contact instructor or department for details.		
	Contact instructor or department for details.		

FOLA149D **Directed Study of a Foreign Language IV; Dutch IV - Intermediate**

FOLA149D *(PermReq)* **Directed Study of a Foreign Language IV: Dutch IV - Intermediate; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: FOLA 148D or consent of director.

0101	Naime Yaramanoglu	Seats (Total: 1)	
	MW 10:00am - 11:00am	HZF 0101	Lab
	Contact instructor or department for details.		

FOLA149E **Directed Study of a Foreign Language IV; Tagalog IV - Intermediate**

FOLA149E *(PermReq)* **Directed Study of a Foreign Language IV: Tagalog IV - Intermediate; (3 credits)** Grade Method: REG/P-F/AUD.

0101	Naime Yaramanoglu	Seats (Total: 2)	
	Contact instructor or department for details.		
	Contact instructor or department for details.		

FOLA149F **Directed Study of a Foreign Language IV; Polish IV - Intermediate**

FOLA149F *(PermReq)* **Directed Study of a Foreign Language IV: Polish IV - Intermediate; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: FOLA 148F or consent of program director.

0101	Naime Yaramanoglu	Seats (Total: 2)	
	Contact instructor or department for details.		
	Contact instructor or department for details.		

FOLA149M **Directed Study of a Foreign Language IV; Swahili IV - Intermediate**

FOLA149M *(PermReq)* **Directed Study of a Foreign Language IV: Swahili IV - Intermediate; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: FOLA 148M or consent of director.

0101	Naime Yaramanoglu	Seats (Total: 3)	
	Contact instructor or department for details.		
	Contact instructor or department for details.		

FOLA149P **Directed Study of a Foreign Language IV; Hindi IV - Intermediate**

FOLA149P *(PermReq)* **Directed Study of a Foreign Language IV: Hindi IV - Intermediate; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: FOLA 148P or consent of director.

0101	Naime Yaramanoglu	Seats (Total: 8)	
	Th 6:00pm - 8:00pm	JMZ 3122	Lab
	Contact instructor or department for details.		

FOLA149R **Directed Study of a Foreign Language IV; Turkish IV - Intermediate**

FOLA149R *(PermReq)* **Directed Study of a Foreign Language IV: Turkish IV - Intermediate; (3 credits)** Grade Method: REG/P-F/AUD.

0101	Naime Yaramanoglu	Seats (Total: 1)	
	Th 11:00am - 12:40pm	ARM 0119	Lab
	Contact instructor or department for details.		

FOLA149T **Directed Study of a Foreign Language IV; Vietnamese IV - Intermediate**

FOLA149T *(PermReq)* **Directed Study of a Foreign Language IV: Vietnamese IV - Intermediate; (3 credits)** Grade Method: REG/P-F/AUD.

0101	Naime Yaramanoglu	Seats (Total: 3)	
	Contact instructor or department for details. Contact instructor or department for details.		

FOLA149V **Directed Study of a Foreign Language IV; Armenian IV - Intermediate**

FOLA149V *(PermReq)* **Directed Study of a Foreign Language IV: Armenian IV - Intermediate; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: FOLA 148V or consent of program director.

0101	Naime Yaramanoglu	Seats (Total: 1)	
	Contact instructor or department for details. Contact instructor or department for details.		

FOLA158A **Directed Study of a Foreign Language (Intensive) I; Elementary Intensive Hungarian**

FOLA158A *(PermReq)* **Directed Study of a Foreign Language (Intensive) I: Elementary Intensive Hungarian; (6 credits)** Grade Method: REG/P-F/AUD.

0101	Naime Yaramanoglu	Seats (Total: 1)	
	W 2:00pm - 4:00pm Contact instructor or department for details.	ARM 0102	Lab

FOLA158D **Directed Study of a Foreign Language (Intensive) I; Elementary Intensive Dutch**

FOLA158D *(PermReq)* **Directed Study of a Foreign Language (Intensive) I: Elementary Intensive Dutch; (6 credits)** Grade Method: REG/P-F/AUD.

0101	Naime Yaramanoglu	Seats (Total: 1)	
	Contact instructor or department for details. Contact instructor or department for details.		

FOLA158E **Directed Study of a Foreign Language (Intensive) I; Elementary Intensive Tagalog**

FOLA158E *(PermReq)* **Directed Study of a Foreign Language (Intensive) I: Elementary Intensive Tagalog; (6 credits)** Grade Method: REG/P-F/AUD.

0101	Naime Yaramanoglu	Seats (Total: 2)	
	Contact instructor or department for details. Contact instructor or department for details.		

FOLA158F **Directed Study of a Foreign Language (Intensive) I; Elementary Intensive Polish**

FOLA158F *(PermReq)* **Directed Study of a Foreign Language (Intensive) I: Elementary Intensive Polish; (6 credits)** Grade Method: REG/P-F/AUD.

0101	Naime Yaramanoglu	Seats (Total: 2)	
	Contact instructor or department for details.		
	Contact instructor or department for details.		

FOLA158M **Directed Study of a Foreign Language (Intensive) I; Elementary Intensive Swahili**

FOLA158M *(PermReq)* **Directed Study of a Foreign Language (Intensive) I: Elementary Intensive Swahili; (6 credits)** Grade Method: REG/P-F/AUD.

0101	Naime Yaramanoglu	Seats (Total: 5)	
	Contact instructor or department for details.		
	Contact instructor or department for details.		

FOLA158R **Directed Study of a Foreign Language (Intensive) I; Elementary Intensive Turkish**

FOLA158R *(PermReq)* **Directed Study of a Foreign Language (Intensive) I: Elementary Intensive Turkish; (6 credits)** Grade Method: REG/P-F/AUD.

0101	Naime Yaramanoglu	Seats (Total: 3)	
	Contact instructor or department for details.		
	Contact instructor or department for details.		

FOLA158T **Directed Study of a Foreign Language (Intensive) I; Elementary Intensive Vietnamese**

FOLA158T *(PermReq)* **Directed Study of a Foreign Language (Intensive) I: Elementary Intensive Vietnamese; (6 credits)** Grade Method: REG/P-F/AUD.

0101	Naime Yaramanoglu	Seats (Total: 4)	
	W 6:00pm - 8:30pm	JMZ 1226	Lab
	Contact instructor or department for details.		

FOLA158V **Directed Study of a Foreign Language (Intensive) I; Elementary Intensive Armenian**

FOLA158V *(PermReq)* **Directed Study of a Foreign Language (Intensive) I: Elementary Intensive Armenian; (6 credits)** Grade Method: REG/P-F/AUD.

0101	Naime Yaramanoglu	Seats (Total: 3)	
	Th 4:30pm - 6:30pm	JMZ 3118	Lab
	Contact instructor or department for details.		

FOLA158X **Directed Study of a Foreign Language (Intensive) I; Elementary Intensive Urdu**

FOLA158X *(PermReq)* **Directed Study of a Foreign Language (Intensive) I: Elementary Intensive Urdu; (6 credits)** Grade Method: REG/P-F/AUD. Students may register for FOLA 158X or 158P, not both.

0101	Naime Yaramanoglu	Seats (Total: 9)	
	Tu 6:30pm - 9:30pm	JMZ 1123	Lab
	Contact instructor or department for details.		

FOLA159A **Directed Study of a Foreign Language (Intensive) II; Intermediate Intensive Hungarian**

FOLA159A *(PermReq)* **Directed Study of a Foreign Language (Intensive) II: Intermediate Intensive Hungarian; (6 credits)** Grade Method: REG/P-F/AUD.

0101	Naime Yaramanoglu	Seats (Total: 1)	
	Contact instructor or department for details.		
	Contact instructor or department for details.		

FOLA159D **Directed Study of a Foreign Language (Intensive) II; Intermediate Intensive Dutch**

FOLA159D *(PermReq)* **Directed Study of a Foreign Language (Intensive) II: Intermediate Intensive Dutch; (6 credits)** Grade Method: REG/P-F/AUD.

0101	Naime Yaramanoglu	Seats (Total: 1)	
	MW 11:00am - 12:45pm	HZF 0106	Lab
	Contact instructor or department for details.		

FOLA159E **Directed Study of a Foreign Language (Intensive) II; Intermediate Intensive Tagalog**

FOLA159E *(PermReq)* **Directed Study of a Foreign Language (Intensive) II: Intermediate Intensive Tagalog; (6 credits)** Grade Method: REG/P-F/AUD.

0101	Naime Yaramanoglu	Seats (Total: 2)	
	Contact instructor or department for details.		
	Contact instructor or department for details.		

FOLA159F **Directed Study of a Foreign Language (Intensive) II; Intermediate Intensive Polish**

FOLA159F *(PermReq)* **Directed Study of a Foreign Language (Intensive) II: Intermediate Intensive Polish; (6 credits)** Grade Method: REG/P-F/AUD.

0101	Naime Yaramanoglu	Seats (Total: 1)	
	Contact instructor or department for details.		
	Contact instructor or department for details.		

FOLA159M **Directed Study of a Foreign Language (Intensive) II; Intermediate Intensive Swahili**

FOLA159M *(PermReq)* **Directed Study of a Foreign Language (Intensive) II: Intermediate Intensive Swahili; (6 credits)** Grade Method: REG/P-F/AUD.

0101	Naime Yaramanoglu	Seats (Total: 4)	
	W 12:00pm - 2:00pm	ARM 0102	Lab
	Contact instructor or department for details.		

FOLA159R **Directed Study of a Foreign Language (Intensive) II; Intermediate Intensive Turkish**

FOLA159R *(PermReq)* **Directed Study of a Foreign Language (Intensive) II: Intermediate Intensive Turkish; (6 credits)** Grade Method: REG/P-F/AUD.

0101	Naime Yaramanoglu	Seats (Total: 1)	
	Contact instructor or department for details.		
	Contact instructor or department for details.		

FOLA159T **Directed Study of a Foreign Language (Intensive) II; Intermediate Intensive Vietnamese**

FOLA159T *(PermReq)* **Directed Study of a Foreign Language (Intensive) II: Intermediate Intensive Vietnamese; (6 credits)** Grade Method: REG/P-F/AUD.

0101	Naime Yaramanoglu	Seats (Total: 4)	
	Th 6:00pm - 8:30pm	JMZ 1226	Lab
	Contact instructor or department for details.		

FOLA159V **Directed Study of a Foreign Language (Intensive) II; Intermediate, Intensive Armenian**

FOLA159V *(PermReq)* **Directed Study of a Foreign Language (Intensive) II: Intermediate, Intensive Armenian; (6 credits)** Grade Method: REG/P-F/AUD.

0101	Naime Yaramanoglu F 5:00pm - 7:30pm Contact instructor or department for details.	Seats (Total: 2) JMZ 0205	Lab

FOLA159X **Directed Study of a Foreign Language (Intensive) II; Intermediate Intensive Urdu**

FOLA159X *(PermReq)* **Directed Study of a Foreign Language (Intensive) II: Intermediate Intensive Urdu; (6 credits)** Grade Method: REG/P-F/AUD. Prerequisite: FOLA 158X or consent of program director.

0101	Naime Yaramanoglu Th 6:30pm - 9:30pm Contact instructor or department for details.	Seats (Total: 10) JMZ 1103	Lab

FOLA386 **Experiential Learning**

FOLA386 *(PermReq)* **Experiential Learning; (3-6 credits)** Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: permission of department. Junior standing.

Contact department for information to register for this course.

FREN French Spring 2009

FREN103 **Intensive Elementary French**

FREN103 Intensive Elementary French; (4 credits) Grade Method: REG/P-F/AUD. *Not open to students who have completed FREN101, FREN102, more than two years of high school French, or to fluent/native speakers of French. Credit will be granted for only one of the following: FREN102 or FREN103.* Covers speaking, reading, writing, listening, and culture of French-speaking world. Limited to students according to conditions described in the "Foreign Language Placement" section in this schedule.

0101	Elizabeth Schneider MTuWF 10:00am - 10:50am	Seats (Total: 25) JMZ 0120
0201	Elizabeth Schneider MTuWF 11:00am - 11:50am	Seats (Total: 25) JMZ 1124
0301	Phuong Hoang MTuWF 12:00pm - 12:50pm	Seats (Total: 25) JMZ 1124

0401	Phuong Hoang MTuWF 1:00pm - 1:50pm	Seats (Total: 25) JMZ 2117

FREN203 **Intensive Intermediate French**

FREN203 Intensive Intermediate French; (4 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course.
Prerequisite: FREN103 or equivalent. Not open to students who have completed FREN201, four years of high school French, or to fluent/native speakers of French. Credit will be granted for only one of the following: FREN201, FREN202 or FREN203. Formerly FREN202. Covers speaking, reading, writing, listening, and culture of French-speaking world.

0101	Katherine Tek MWF 10:00am - 10:50am Tu 10:00am - 10:50am	Seats (Total: 25) JMZ 2122 JMZ 0208
0201	Rebecca Cheek MTuWF 12:00pm - 12:50pm	Seats (Total: 25) JMZ 0122
0301	Gena Chattin MTuWF 1:00pm - 1:50pm	Seats (Total: 25) JMZ 0208
0401	Gena Chattin MTuWF 2:00pm - 2:50pm	Seats (Total: 25) JMZ 1120

FREN204 **French Grammar and Composition**

FREN204 French Grammar and Composition; (3 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course.
Prerequisite: FREN201 or FREN203. Open to students who have completed 4 years (Level 4) of high school French. Not open to native/fluent speakers of French. Intensive study of French grammar and composition.

0101	Eva Zaghdoun MWF 10:00am - 10:50am	Seats (Total: 25) JMZ 2117
0201	Dorothee Polanz MWF 11:00am - 11:50am	Seats (Total: 25) JMZ 2206

0301	Dorothee Polanz MWF 1:00pm - 1:50pm	Seats (Total: 25) JMZ 1122

FREN211 **French Reading and Conversation**

FREN211 French Reading and Conversation; (3 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course.
Not open to native/fluent speakers of French. Prerequisite: FREN201 or FREN203. Practice in spoken French at intermediate level based on readings in a variety of genres. Written homework and exams.

0101	Silvia Baage MWF 9:00am - 9:50am	Seats (Total: 25) JMZ 1122

FREN240 **Masterworks of French Literature in Translation**

FREN240 Masterworks of French Literature in Translation; (3 credits) Grade Method: REG/P-F/AUD. CORE Literature (HL) Course.
Major works of French literature from pre-revolutionary France to the present. Emphasis on the individual in a social context. In English.

0101	Mary Wittrock TuTh 11:00am - 12:15pm	Seats (Total: 35) JMZ 0105

FREN250 **Introduction to French Literature**

FREN250 Introduction to French Literature; (3 credits) Grade Method: REG/P-F/AUD. CORE Literature (HL) Course.
Not open to native/fluent speakers of French. Prerequisite: FREN204 or equivalent. Recommended: FREN211. Selected readings from various genres in French literature. Discussion and brief written reports in French. Also offered as FREN250H.

0101	Raluca Romaniuc MWF 12:00pm - 12:50pm	Seats (Total: 25) JMZ 3203
0201	Raluca Romaniuc MWF 1:00pm - 1:50pm	Seats (Total: 25) JMZ 1120

FREN250H **Introduction to French Literature**

FREN250H Introduction to French Literature; (3 credits) Grade Method: REG/P-F/AUD. CORE Literature (HL) Course.
Not open to native/fluent speakers of French. Prerequisite: FREN204 or equivalent. Recommended: FREN211. For general honors students only. Also offered as FREN250.

0101	Raluca Romaniuc MWF 12:00pm - 12:50pm	Seats (Total: 25) JMZ 3203
0201	Raluca Romaniuc MWF 1:00pm - 1:50pm	Seats (Total: 25) JMZ 1120

FREN301 **Composition and Style**

FREN301 Composition and Style; (3 credits) Grade Method: REG/P-F/AUD.
Not open to native or fluent speakers of French. Prerequisite: FREN250 or equivalent. Grammatical analysis, elements of style; range of written genres.

0101	Joseph Brami TuTh 9:30am - 10:45am	Seats (Total: 20) JMZ 1122
0201	Valerie Orlando MWF 12:00pm - 12:50pm	Seats (Total: 20) JMZ 2123

FREN303 **Translation: English to French**

FREN303 Translation: English to French; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: FREN301 or equivalent. Practicum in translation primarily from English to French; contrastive analysis.

0101	Mary Scullen TuTh 9:30am - 10:45am	Seats (Total: 20) JMZ 0118

FREN311 **Advanced Oral Expression**

FREN311 Advanced Oral Expression; (3 credits) Grade Method: REG/P-F/AUD.
Not open to fluent/native speakers of French. Prerequisite: FREN250 or equivalent. Recommended: FREN211. Linguistic and thematic analysis of written, audio, and visual texts. Focus on aural and oral skills. Some written assignments and evaluation.

0101	Carol Mossman TuTh 2:00pm - 3:15pm	Seats (Total: 20) JMZ 1117

FREN312 **France Today**

Contact department for information to register for this course.

FREN352 **From the Age of Epic and Romance to the Enlightenment**

FREN352 From the Age of Epic and Romance to the Enlightenment; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: FREN301 or equivalent. A survey of the chief authors and major movements of French literature from the Middle Ages to the end of the 18th century. Also offered as FREN352H.

0101	Sarah Benharrech TuTh 11:00am - 12:15pm	Seats (Total: 25) JMZ 0208

FREN352H **From the Age of Epic and Romance to the Enlightenment**

FREN352H From the Age of Epic and Romance to the Enlightenment; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: FREN301 or equivalent. For general honors students only. Also offered as FREN352.

0101	Sarah Benharrech TuTh 11:00am - 12:15pm	Seats (Total: 25) JMZ 0208

FREN386 **Experiential Learning**

FREN386 Experiential Learning; (3-6 credits) Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: permission of department. Junior standing.

Contact department for information to register for this course.

FREN399 **Directed Study in French**

FREN399 *(PermReq)* **Directed Study in French; (1-3 credits)** Grade Method: REG.
Individual Instruction course: contact department or instructor to obtain section number.
Supervised work under professor of student's choice with permission of instructor. Contact department for details.

Contact department for information to register for this course.

FREN399A **Directed Study in French; Directed Study in Nice I**
Contact department for information to register for this course.

FREN399B **Directed Study in French; Directed Study in Nice II**
Contact department for information to register for this course.

FREN399Z **Directed Study in French**
Contact department for information to register for this course.

FREN401 **Writing with Style**

FREN401 Writing with Style; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: FREN301 or permission of department. Advanced composition and stylistic analysis.

0101	Sarah Benharrech	Seats (Total: 20)
	TuTh 12:30pm - 1:45pm	JMZ 0120

FREN404 **Issues in the French-Speaking World Today**
Contact department for information to register for this course.

FREN407 **History of the French Language**

FREN407 History of the French Language; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: FREN351 or FREN352 or equivalent. Evolution of the French language from Latin to modern French. Conducted in French.

0101	Mary Scullen	Seats (Total: 15)
	Th 3:30pm - 6:00pm	JMZ 2207

FREN474 **Contemporary France: A Sociocritical Approach**

FREN474 Contemporary France: A Sociocritical Approach; (3 credits) Grade Method: REG/P-F/AUD.
Recommended: FREN473. A sociocritical approach to understanding modern French society through the study of print and non-print media documents (autobiography, film, and paraliterature), with reference to the Francophone world.

0101	Caroline Eades	Seats (Total: 25)
	TuTh 2:00pm - 3:15pm	JMZ 3120

FREN488B **Special Topics in Francophone Studies; The Novel**

FREN488B Special Topics in Francophone Studies: The Novel; (3 credits) Grade Method: REG/P-F/AUD.
Click her for more course information.

0101	Valerie Orlando	Seats (Total: 25)
	MW 2:00pm - 3:15pm	JMZ 0205

FREN495 **Honors Thesis Research**

FREN495 Honors Thesis Research; (3 credits) Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Open only to students admitted to the departmental honors program. The writing of a paper under the direction of a professor in this department and an oral examination. Required to fulfill the departmental honors requirement.

Contact department for information to register for this course.

FREN495H **Honors Thesis Research**

FREN495H *(PermReq)* **Honors Thesis Research; (3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Open only to students admitted to the departmental honors program.

Contact department for information to register for this course.

FREN498 **Special Topics in French Literature**

FREN498 Special Topics in French Literature; (3 credits) Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: FREN351 or FREN352 or equivalent. Repeatable to 6 credits if content differs.

Contact department for information to register for this course.

FREN499 **Special Topics in French Studies**

FREN499 Special Topics in French Studies; (3 credits) Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

FREN601 **The History of the French Language**

FREN601 The History of the French Language; (3 credits) Grade Method: REG/AUD.

0101	Mary Scullen Th 3:30pm - 6:00pm	Seats (Total: 10) JMZ 2207

FREN679L **The History of Ideas of France; History of Ideas in Literature**

FREN679L The History of Ideas of France: History of Ideas in Literature; (3 credits) Grade Method: REG/AUD.

0101	Joseph Brami W 4:30pm - 7:00pm	Seats (Total: 10) JMZ 1123

FREN699F **Seminar; Film Theory and Criticism**

FREN699F Seminar: Film Theory and Criticism; (3 credits) Grade Method: REG/AUD.

0101	Caroline Eades Tu 4:30pm - 7:00pm	Seats (Total: 10) JMZ 1211

FREN798 **Master's Independent Study**

FREN798 *(PermReq)* **Master's Independent Study; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

FREN799 **Master's Thesis Research**

FREN799 Master's Thesis Research; (1-6 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

FREN889 **Doctoral Independent Study**

FREN889 *(PermReq)* **Doctoral Independent Study; (3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

FREN898 **Pre-Candidacy Research**

FREN898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

FREN899 **Doctoral Dissertation Research**

FREN899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

GEMS Gemstone Spring 2009

GEMS102 **Research Topic Exploration and Team Formation**

GEMS102 Research Topic Exploration and Team Formation; (1 credit) Grade Method: REG.
Restricted to Gemstone students only. Under the guidance of staff and visiting speakers, students will develop research topics that they will pursue for the remainder of their participation in the Gemstone program, and form into interdisciplinary teams around these topics.

0101	Rebecca Thomas, James Wallace Th 5:30pm - 6:30pm	Seats (Total: 194) JMZ 0220	

GEMS104 **Topics in Science, Technology and Society (STS)**

GEMS104 Topics in Science, Technology and Society (STS); (3 credits) Grade Method: REG/AUD. CORE Interdisciplinary & Emerging Issues (IE) Course.
Prerequisite: GEMS100. Corequisite: GEMS102 Restricted to Gemstone students only. An examination of how cultural, economic, political and social forces shape scientific and technological systems and, conversely, how scientific and technological systems have affected the culture, economies, organization and politics of societies. Students in the course will form small teams to carry out semester-long research on socio/technical topics related to the course theme chosen for that specific semester.

0101	Thomas Zeller M 12:00pm - 12:50pm MW 2:00pm - 2:50pm	Seats (Total: 10) MCB 1207 WDS 1131	 Discussion
0102	Thomas Zeller M 12:00pm - 12:50pm WF 12:00pm - 12:50pm	Seats (Total: 11) MCB 1207 HJP 1229	 Discussion
0103	Thomas Zeller M 12:00pm - 12:50pm F 1:00pm - 1:50pm W 1:00pm - 1:50pm	Seats (Total: 10) MCB 1207 WDS 1130 KEY 0126	 Discussion Discussion
0104	Thomas Zeller M 12:00pm - 12:50pm TuTh 10:00am - 10:50am	Seats (Total: 10) MCB 1207 WDS 1131	 Discussion

0105	Thomas Zeller	Seats (Total: 10)	
	M 12:00pm - 12:50pm TuTh 2:00pm - 2:50pm	MCB 1207 WDS 1131	 Discussion
0106	Thomas Zeller	Seats (Total: 11)	
	M 12:00pm - 12:50pm M 1:00pm - 1:50pm W 1:00pm - 1:50pm	MCB 1207 TYD 2110 KEY 0126	 Discussion Discussion
0107	Thomas Zeller	Seats (Total: 10)	
	M 12:00pm - 12:50pm TuTh 11:00am - 11:50am	MCB 1207 ARM 0102	 Discussion
0108	Thomas Zeller	Seats (Total: 10)	
	M 12:00pm - 12:50pm TuTh 12:00pm - 12:50pm	MCB 1207 MTH 0102	 Discussion
0109	Thomas Zeller	Seats (Total: 10)	
	M 12:00pm - 12:50pm TuTh 1:00pm - 1:50pm	MCB 1207 MTH 0104	 Discussion
0201	Thomas Zeller	Seats (Total: 10)	
	Tu 9:00am - 9:50am MW 2:00pm - 2:50pm	EGR 1202 WDS 1131	 Discussion
0202	Thomas Zeller	Seats (Total: 10)	
	Tu 9:00am - 9:50am WF 12:00pm - 12:50pm	EGR 1202 HJP 1229	 Discussion
0203	Thomas Zeller	Seats (Total: 10)	
	Tu 9:00am - 9:50am F 1:00pm - 1:50pm W 1:00pm - 1:50pm	EGR 1202 WDS 1130 KEY 0126	 Discussion Discussion
0204	Thomas Zeller	Seats (Total: 12)	
	Tu 9:00am - 9:50am TuTh 10:00am - 10:50am	EGR 1202 WDS 1131	 Discussion
0205	Thomas Zeller	Seats (Total: 10)	
	Tu 9:00am - 9:50am TuTh 2:00pm - 2:50pm	EGR 1202 WDS 1131	 Discussion

0206	Thomas Zeller	Seats (Total: 10)	
	Tu 9:00am - 9:50am	EGR 1202	
	M 1:00pm - 1:50pm	TYD 2110	Discussion
	W 1:00pm - 1:50pm	KEY 0126	Discussion
0207	Thomas Zeller	Seats (Total: 10)	
	Tu 9:00am - 9:50am	EGR 1202	
	TuTh 11:00am - 11:50am	ARM 0102	Discussion
0208	Thomas Zeller	Seats (Total: 10)	
	Tu 9:00am - 9:50am	EGR 1202	
	TuTh 12:00pm - 12:50pm	MTH 0102	Discussion
0209	Thomas Zeller	Seats (Total: 10)	
	Tu 9:00am - 9:50am	EGR 1202	
	TuTh 1:00pm - 1:50pm	MTH 0104	Discussion

GEMS208E **Special Topics in Leadership and Team Development; Research Topic Exploration Teaching Freshmen First Time Section Leader**

GEMS208E Special Topics in Leadership and Team Development: Research Topic Exploration Teaching Freshmen First Time Section Leader; (1-3 credits)

Grade Method: REG/AUD.

0101	Rebecca Thomas	Seats (Total: 12)
	Contact instructor or department for details.	

GEMS208F **Special Topics in Leadership and Team Development; Research Topic Exploration Teaching Freshmen: Returner Section Leader**

GEMS208F Special Topics in Leadership and Team Development: Research Topic Exploration Teaching Freshmen: Returner Section Leader; (1-3 credits)

Grade Method: REG/AUD.

Restricted to Gemstone students only.

0201	Rebecca Thomas	Seats (Total: 12)
	Contact instructor or department for details.	

GEMS208G **Special Topics in Leadership and Team Development; Science, Technology and Society Teaching Freshmen First Time Section Leader**

GEMS208G Special Topics in Leadership and Team Development: Science, Technology and Society Teaching Freshmen First Time Section Leader; (1-3 credits) Grade Method: REG/AUD.

0101	Caitlin White Contact instructor or department for details.	Seats (Total: 18)

GEMS208I **Special Topics in Leadership and Team Development; Science, Technology & Society Teaching Freshman, Returnee Section Leader**

GEMS208I Special Topics in Leadership and Team Development: Science, Technology & Society Teaching Freshman, Returnee Section Leader; (1-3 credits) Grade Method: REG/AUD.

0101	Caitlin White Contact instructor or department for details.	Seats (Total: 14)

GEMS208J **Special Topics in Leadership and Team Development; Gems Camp**

GEMS208J Special Topics in Leadership and Team Development: Gems Camp; (1-3 credits) Grade Method: REG/AUD.

0101	Caitlin White Contact instructor or department for details.	Seats (Total: 14)

GEMS297 **Team Project Seminar II**

GEMS297 Team Project Seminar II; (2 credits) Grade Method: REG.
Prerequisite: For Gemstone students with sophomore standing in a research team.
This is the second of six seminars during which Gemstone students carry out interdisciplinary research with the guidance of a faculty mentor. The team develops its website, prepares and presents its research proposal. Restricted to Gemstone Students.

0101	Elisabeth Gantt W 8:00am - 9:00am W 6:00pm - 7:00pm	Seats (Total: 14) ELL 0100D Location: TBA
0102	Charles Carr M 8:00pm - 9:00pm Th 6:45pm - 7:45pm	Seats (Total: 14) JMZ 1103 Location: TBA

0103	Michael Dougherty W 6:00pm - 8:00pm Th 4:00pm - 5:00pm	Seats (Total: 14) ELL 0100C HBK 0125
0104	Charles Wellford M 6:30pm - 7:30pm W 8:00pm - 9:00pm	Seats (Total: 10) JMZ 2207 ELL 0100A
0105	Frederick Mowrer W 6:00pm - 7:00pm Tu 7:00pm - 8:00pm	Seats (Total: 12) Location: TBA Location: TBA
0106	Jason Kahn W 5:30pm - 6:30pm Th 8:30pm - 9:30pm	Seats (Total: 14) Location: TBA ELL 0100B
0201	Joseph Sullivan F 9:00am - 10:00am M 9:00pm - 10:00pm	Seats (Total: 9) PLS 1146 Location: TBA
0202	Liangli Yu, Mickey Parish F 2:00pm - 3:00pm M 9:00pm - 10:00pm	Seats (Total: 14) Location: TBA ELL 0100A
0203	Jeff Miller Tu 9:00pm - 10:00pm Th 6:30pm - 7:30pm	Seats (Total: 14) Location: TBA Location: TBA
0204	John Fisher M 8:00am - 9:00am M 6:00pm - 7:00pm	Seats (Total: 14) CHE 2116 ELL 0100D
0205	Arnett Gaston M 7:30pm - 8:30pm Th 6:30pm - 7:30pm	Seats (Total: 14) ELL 0100C Location: TBA
0206	James Duncan Tu 5:00pm - 6:00pm Tu 6:00pm - 7:00pm	Seats (Total: 10) Location: TBA Location: TBA
0209	Angela Dawson Contact instructor or department for details.	Seats (Total: 5)

GEMS397 **Team Project Seminar IV**

GEMS397 Team Project Seminar IV; (2 credits) Grade Method: REG. *Prerequisite: GEMS396; For Gemstone students with junior standing in a research team.* This is the fourth of six seminars during which Gemstone students carry out interdisciplinary research with the guidance of a faculty mentor. The team further develops its website. Also they will prepare and present the team project in the poster session of Undergraduate Research Day. Restricted to Gemstone Students.

0101	Mark Kantor M 6:00pm - 8:00pm	Seats (Total: 14) JMZ 1103
0102	Jianghong Meng Tu 5:00pm - 6:00pm F 3:00pm - 4:00pm	Seats (Total: 14) MMH 3419 MMH 3419
0103	Pamela Abshire W 3:30pm - 5:00pm F 1:00pm - 2:00pm	Seats (Total: 14) Location: TBA Location: TBA
0104	L Woods M 8:00am - 9:00am Su 9:00pm - 10:00pm	Seats (Total: 14) ANS 0467 ELL 0100D
0105	Brianne Rowh Th 8:00am - 9:00am Su 5:00pm - 6:00pm	Seats (Total: 14) Location: TBA Location: TBA
0106	Alene Moyer F 2:00pm - 4:00pm	Seats (Total: 14) SQH 2121
0201	Bruce Golden M 5:00pm - 6:00pm Tu 6:30pm - 7:30pm	Seats (Total: 14) VMH 2509 VMH 2509
0202	Roberta Lavine, Amitabh Varshney Tu 6:00pm - 8:00pm	Seats (Total: 14) JMZ 1103
0203	Adam Hsieh M 6:00pm - 7:00pm F 3:00pm - 4:00pm	Seats (Total: 14) ARM 0102 ARM 0102

0204	Charles Schwartz F 11:00am - 12:00pm Th 4:45pm - 5:45pm	Seats (Total: 14) Location: TBA Location: TBA
0205	Tracy Zeeger F 1:00pm - 2:00pm Tu 7:00pm - 8:00pm	Seats (Total: 14) Location: TBA ELL 0100A
0206	Ning Zeng Tu 5:00pm - 7:00pm	Seats (Total: 14) CSS 3425
0209	Angela Dawson Contact instructor or department for details.	Seats (Total: 7)

GEMS497 **Team Thesis Defense**

GEMS497 Team Thesis Defense; (2 credits) Grade Method: REG. *Prerequisite: GEMS496. For Gemstone participants only.* Gemstone teams will complete the team research project and thesis. The team will formally present the thesis to experts in the area of interest at a Team Thesis Conference before final submission. Restricted to Gemstone Students.

0101	James Purtilo Tu 5:00pm - 7:00pm	Seats (Total: 14) AVW 4185
0102	Brian Beard, Jeremiah Grossman W 6:00pm - 8:00pm	Seats (Total: 14) Location: TBA
0103	Peter Kofinas Su 8:00am - 9:00pm Tu 5:00pm - 6:00pm	Seats (Total: 14) Location: TBA Location: TBA
0104	David O'Brochta Su 7:00pm - 9:00pm	Seats (Total: 14) ELL 0100A
0105	Fredrick Wheaton Tu 1:00pm - 2:00pm Contact instructor or department for details.	Seats (Total: 14) ANS 1420

0106	Ramalingam Chellappa W 5:00pm - 6:00pm F 8:00pm - 9:00pm	Seats (Total: 14) AVW 4424 AVW 4424
0201	Nam Sun Wang Tu 5:00pm - 7:00pm	Seats (Total: 14) QAN 0108
0202	Marc Rogers M 5:30pm - 6:30pm W 9:00am - 10:00am	Seats (Total: 14) ANA 0100 ANA 0100
0203	Jungho Kim Tu 5:00pm - 7:00pm	Seats (Total: 14) Location: TBA
0204	Linda Moghadam MW 6:00pm - 7:00pm	Seats (Total: 14) Location: TBA
0205	Lowell Adams M 7:30pm - 8:30pm Th 6:30pm - 7:30pm	Seats (Total: 14) QAN 0108 ANS 0422
0206	Peter Chang M 6:00pm - 7:00pm W 6:00pm - 7:00pm	Seats (Total: 14) EGR 3111 EGR 3111
0207	Abigail Kiesa Tu 2:00pm - 4:00pm	Seats (Total: 14) EDU 1210B
0208	Christa Schmidt Tu 7:00pm - 8:00pm W 5:30pm - 6:30pm	Seats (Total: 14) QAN 0103 Location: TBA

GEOG Geographical Sciences Spring 2009

GEOG123 Causes and Implications of Global Change

GEOG123 Causes and Implications of Global Change; (3 credits) Grade Method: REG/P-F/AUD. CORE Physical Science (PS) Course.
Also offered as AOSC123 and GEOL123. Credit will be granted for only one of the following: AOSC123, GEOG123, GEOL123, or METO123. A unique experience in integrating physical, chemical, geological, and biological sciences with geographical, economic, sociological, and political knowledge skills toward a better understanding of global change. Review of environmental science relating to weather and climate change, acid precipitation, ozone holes, global warming, and impacts on biology, agriculture, and human behavior. Study of the natural, long- term variability of the global environment, and what influence mankind may have in perturbing it from its natural evolution. Concepts of how physical, biological, and human behavioral systems interact, and the repercussions which may follow human endeavors. The manner in which to approach decision and policy making related to global change.

0101	Thomas Holtz, Eric Kasischke, Rachel Pinker MW 12:00pm - 12:50pm F 9:00am - 9:50am	Seats (Total: 24) LEF 2205 WDS 1130	 Discussion
0102	Eric Kasischke, Thomas Holtz, Rachel Pinker MW 12:00pm - 12:50pm F 11:00am - 11:50am	Seats (Total: 24) LEF 2205 LEF 1222	 Discussion
0103	Thomas Holtz, Eric Kasischke, Rachel Pinker MW 12:00pm - 12:50pm F 12:00pm - 12:50pm	Seats (Total: 24) LEF 2205 LEF 1222	 Discussion
0104	Eric Kasischke, Thomas Holtz, Rachel Pinker MW 12:00pm - 12:50pm Th 9:30am - 10:20am	Seats (Total: 24) LEF 2205 JMZ 0125	 Discussion
0105	Thomas Holtz, Rachel Pinker, Eric Kasischke MW 12:00pm - 12:50pm Th 11:00am - 11:50am	Seats (Total: 24) LEF 2205 JMZ 1224	 Discussion

0106	Rachel Pinker, Eric Kasischke, Thomas Holtz MW 12:00pm - 12:50pm F 9:00am - 9:50am	Seats (Total: 24) LEF 2205 LEF 1221	Discussion
0107	Rachel Pinker, Thomas Holtz, Eric Kasischke MW 12:00pm - 12:50pm Th 9:30am - 10:20am	Seats (Total: 24) LEF 2205 LEF 1201	Discussion
0108	Thomas Holtz, Eric Kasischke, Rachel Pinker MW 12:00pm - 12:50pm F 12:00pm - 12:50pm	Seats (Total: 24) LEF 2205 LEF 2166	Discussion
0109	Eric Kasischke, Rachel Pinker, Thomas Holtz MW 12:00pm - 12:50pm Th 11:00am - 11:50am	Seats (Total: 24) LEF 2205 TYD 0101	Discussion
0110	Thomas Holtz, Eric Kasischke, Rachel Pinker MW 12:00pm - 12:50pm W 1:00pm - 1:50pm	Seats (Total: 24) LEF 2205 TYD 2110	Discussion

GEOG130 **Developing Countries**

GEOG130 Developing Countries; (3 credits) Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course. CORE Diversity (D) Course.
An introduction to the geographic characteristics of the development problems and prospects of developing countries. Spatial distribution of poverty, employment, migration and urban growth, agricultural productivity, rural development, policies and international trade. Portraits of selected developing countries.

0101	Ronald Luna MW 11:00am - 11:50am Th 9:30am - 10:20am	Seats (Total: 24) LEF 2205 TYD 2108	Discussion
0102	Ronald Luna MW 11:00am - 11:50am Th 11:00am - 11:50am	Seats (Total: 24) LEF 2205 COL 0102	Discussion

0103	Ronald Luna MW 11:00am - 11:50am F 12:00pm - 12:50pm	Seats (Total: 24) LEF 2205 LEF 1221	Discussion
0104	Ronald Luna MW 11:00am - 11:50am F 9:00am - 9:50am	Seats (Total: 24) LEF 2205 LEF 1222	Discussion
0105	Ronald Luna MW 11:00am - 11:50am F 10:00am - 10:50am	Seats (Total: 24) LEF 2205 LEF 1222	Discussion
0106	Ronald Luna MW 11:00am - 11:50am F 10:00am - 10:50am	Seats (Total: 24) LEF 2205 LEF 2208	Discussion
0107	Ronald Luna MW 11:00am - 11:50am Th 9:30am - 10:20am	Seats (Total: 24) LEF 2205 MMH 3418	Discussion
0108	Ronald Luna MW 11:00am - 11:50am Th 12:30pm - 1:20pm	Seats (Total: 24) LEF 2205 LEF 1201	Discussion
0109	Ronald Luna MW 11:00am - 11:50am W 1:00pm - 1:50pm	Seats (Total: 24) LEF 2205 LEF 1220	Discussion
0110	Ronald Luna MW 11:00am - 11:50am W 1:00pm - 1:50pm	Seats (Total: 24) LEF 2205 LEF 1221	Discussion

GEOG170 **Maps and Map Use**

GEOG170 Maps and Map Use; (3 credits) Grade Method: REG/P-F/AUD. CORE Mathematics or Formal Reasoning (MS) Course.
An exploration of ways in which maps are produced, including how data are gathered using remote sensing, how data are analyzed in geographic information systems, and how data are presented in cartographic form. Development of skills in map reading, data interpretation and analysis, environmental analysis, and user-oriented presentations.

0101	Robert Sohlberg MW 1:00pm - 1:50pm F 10:00am - 10:50am	Seats (Total: 24) LEF 2205 LEF 1220	 Discussion
0102	Robert Sohlberg MW 1:00pm - 1:50pm Th 11:00am - 11:50am	Seats (Total: 24) LEF 2205 JMZ 1124	 Discussion
0103	Robert Sohlberg MW 1:00pm - 1:50pm Th 9:30am - 10:20am	Seats (Total: 24) LEF 2205 LEF 1222	 Discussion
0104	Robert Sohlberg MW 1:00pm - 1:50pm F 9:00am - 9:50am	Seats (Total: 24) LEF 2205 LEF 1220	 Discussion
0105	Robert Sohlberg MW 1:00pm - 1:50pm F 11:00am - 11:50am	Seats (Total: 24) LEF 2205 LEF 1220	 Discussion
0106	Robert Sohlberg MW 1:00pm - 1:50pm F 11:00am - 11:50am	Seats (Total: 24) LEF 2205 LEF 1201	 Discussion
0107	Robert Sohlberg MW 1:00pm - 1:50pm Th 11:00am - 11:50am	Seats (Total: 24) LEF 2205 LEF 1222	 Discussion
0108	Robert Sohlberg MW 1:00pm - 1:50pm Th 12:30pm - 1:20pm	Seats (Total: 24) LEF 2205 LEF 1222	 Discussion
0109	Robert Sohlberg MW 1:00pm - 1:50pm F 12:00pm - 12:50pm	Seats (Total: 24) LEF 2205 ASY 3219	 Discussion
0110	Robert Sohlberg MW 1:00pm - 1:50pm F 12:00pm - 12:50pm	Seats (Total: 24) LEF 2205 LEF 2208	 Discussion

GEOG201 Geography of Environmental Systems

GEOG201 Geography of Environmental Systems; (3 credits) Grade Method: REG/P-F/AUD.
CORE Distributive Studies Physical Science Laboratory Course only when taken concurrently with GEOG 211. A systematic introduction to the processes and associated forms of the atmosphere and earth's surfaces emphasizing the interaction between climatology, hydrology and geomorphology. CORE Distributive Studies Physical Science Laboratory Course only when taken concurrently with GEOG 211.

0101	Evan Ellicott, Chris Justice TuTh 11:00am - 12:15pm	Seats (Total: 220) LEF 2205	

GEOG202 **Introduction to Human Geography**

GEOG202 Introduction to Human Geography; (3 credits) Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course. USP Distributive Studies Area A: Cultural and Historical Course.
Introduction to what geographers do and how they do it. Systematic study of issues regarding social and cultural systems from a global to a local scale. Looks at the distribution of these variables and answers the question "Why here, and not there"?

0101	Allen Eney MW 2:00pm - 2:50pm F 9:00am - 9:50am	Seats (Total: 24) LEF 2205 LEF 1201	 Discussion
0102	Allen Eney MW 2:00pm - 2:50pm Th 12:30pm - 1:20pm	Seats (Total: 24) LEF 2205 LEF 1221	 Discussion
0103	Allen Eney MW 2:00pm - 2:50pm F 12:00pm - 12:50pm	Seats (Total: 24) LEF 2205 KEY 0116	 Discussion
0104	Allen Eney MW 2:00pm - 2:50pm F 11:00am - 11:50am	Seats (Total: 24) LEF 2205 SQH 1107	 Discussion
0105	Allen Eney MW 2:00pm - 2:50pm F 9:00am - 9:50am	Seats (Total: 24) LEF 2205 JMZ 2122	 Discussion

0106	Allen Eney MW 2:00pm - 2:50pm Th 11:00am - 11:50am	Seats (Total: 24) LEF 2205 JMZ 0125	Discussion
0107	Allen Eney MW 2:00pm - 2:50pm Th 9:30am - 10:20am	Seats (Total: 24) LEF 2205 LEF 1221	Discussion
0108	Allen Eney MW 2:00pm - 2:50pm Th 11:00am - 11:50am	Seats (Total: 24) LEF 2205 ASY 3221	Discussion
0109	Allen Eney MW 2:00pm - 2:50pm Th 9:30am - 10:20am	Seats (Total: 24) LEF 2205 JMZ 0208	Discussion
0110	Allen Eney MW 2:00pm - 2:50pm Th 11:00am - 11:50am	Seats (Total: 24) LEF 2205 LEF 1221	Discussion

GEOG211 **Geography of Environmental Systems Laboratory**

GEOG211 Geography of Environmental Systems Laboratory; (1 credit) Grade Method: REG/P-F/AUD.
CORE Distributive Studies Physical Science Laboratory Course only when taken concurrently with GEOG 201. Pre- or corequisite: GEOG201 or GEOL100 or GEOL120. A laboratory course to accompany GEOG 201. Analysis of the components of the earth's energy balance using basic instrumentation; weather map interpretation; soil analysis; the application of map and air photo interpretation techniques to landform analysis. CORE Distributive Studies Physical Science Laboratory Course only when taken concurrently with GEOG 201. One two-hour lab per week. There is a $40.00 lab fee with this course.

0101	Chris Justice F 11:00am - 1:00pm	Seats (Total: 25) LEF 1136	Lab
0201	Chris Justice M 9:00am - 11:00am	Seats (Total: 25) LEF 1136	Lab

0301	Chris Justice Th 9:00am - 11:00am	Seats (Total: 25) LEF 1136	 Lab
0401	Chris Justice W 11:00am - 1:00pm	Seats (Total: 25) LEF 1136	 Lab
0501	Chris Justice M 11:00am - 1:00pm	Seats (Total: 25) LEF 1136	 Lab
0601	Chris Justice W 9:00am - 11:00am	Seats (Total: 25) LEF 1136	 Lab
0701	Chris Justice Tu 9:00am - 11:00am	Seats (Total: 25) LEF 1136	 Lab
0801	Chris Justice F 9:00am - 11:00am	Seats (Total: 25) LEF 1136	 Lab
0901	Chris Justice M 11:00am - 1:00pm	Seats (Total: 20) LEF 2138	 Lab

GEOG212 **Introduction to Human Geography Laboratory**

GEOG212 *(PermReq)* **Introduction to Human Geography Laboratory; (1 credit)**
Grade Method: REG/P-F/AUD.
Pre- or corequisite: GEOG202. For GEOG majors only. Introduction to the basic methods and techniques employed in human geography.

0101	Jacqueline Waite M 9:00am - 11:00am	Seats (Total: 25) LEF 1222	 Lab

GEOG306 **Introduction to Quantitative Methods for the Geographic Environmental Sciences**

GEOG306 Introduction to Quantitative Methods for the Geographic Environmental Sciences; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as GEOG398Q. Credit will be granted for only one of the following: GEOG398Q or GEOG306. Formerly GEOG398Q. Essentials in the quantitative analysis of spatial and other data, with a particular emphasis on statistics and programming. Topics include data display, data description and summary, statistical inference and significance tests, analysis of variance, correlation, regression, and some advanced concepts, such as matrix methods, principal component analysis, and spatial statistics. Students will develop expertise in data analysis using advanced statistical software. There is a $40.00 lab fee with this course.

0101	Jacqueline Waite TuTh 11:00am - 11:50am F 9:00am - 11:00am	Seats (Total: 25) LEF 1124 LEF 1138	 Lab
0102	Jacqueline Waite TuTh 11:00am - 11:50am F 11:00am - 1:00pm	Seats (Total: 25) LEF 1124 LEF 1138	 Lab

GEOG310 **Maryland and Adjacent Areas**

GEOG310 Maryland and Adjacent Areas; (3 credits) Grade Method: REG/P-F/AUD.
Credit will be granted for only one of the following: GEOG310 or GEOG321. Formerly GEOG321. The physical environment, natural resources, and population in relation to agriculture, industry, transport, and trade in the State of Maryland and adjacent areas.

0101	Allen Eney MWF 11:00am - 11:50am	Seats (Total: 75) LEF 2166

GEOG330 **Cultural Geography**

GEOG330 Cultural Geography; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: GEOG201, GEOG202, ANTH220, or ANTH260; or permission of department. Credit will be granted for only one of the following: GEOG330, GEOG360, or GEOG362. Formerly GEOG362. Impact of humans through ideas and technology on the evolution of geographic landscapes. Major themes in the relationships between cultures and environments.

0101	Allen Eney MWF 9:00am - 9:50am	Seats (Total: 70) LEF 2166

GEOG334 **The American City: Past and Present**

GEOG334 The American City: Past and Present; (3 credits) Grade Method: REG/P-F/AUD.
Credit will be granted for only one of the following: GEOG334 or GEOG350. Formerly GEOG350. Development of the American city from the early 19th century to the present. The internal structure of contemporary metropolitan areas, the spatial arrangement of residential, commercial, and other activities. Washington, D.C. and Baltimore examples.

0101	Mila Zlatic MW 2:00pm - 3:15pm	Seats (Total: 45) TYD 1102

GEOG340 **Geomorphology**

GEOG340 Geomorphology; (3 credits) Grade Method: REG/P-F/AUD.
Survey of landform types and role of processes in their generation. Frequency of occurrence and implications for land utilization. Emphasis on coastal, fluvial, and glacial landforms in different environmental settings. Landform regions of Maryland.

0101	Michael Kearney TuTh 9:30am - 10:45am	Seats (Total: 60) LEF 2166

GEOG342 **Introduction to Biogeography**

GEOG342 Introduction to Biogeography; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: GEOG201. Recommended: GEOG211. Credit will be granted for only one of the following: GEOG342 or GEOG347. Formerly GEOG347. The principles of biogeography, including the patterns, processes and distributions of living organisms from local to global scales, aspects of ecophysiology, population and community ecology and evolutionary biology. Spatial processes in the biosphere will be covered.

0101	Stephen Prince TuTh 12:30pm - 1:45pm	Seats (Total: 60) LEF 2166

GEOG372 **Remote Sensing**

GEOG372 Remote Sensing; (3 credits) Grade Method: REG/P-F/AUD.
Principles of remote sensing in relation to photographic, thermal infrared and radar imaging. Methods of obtaining quantitative information from remotely-sensed images. Interpretation of remotely-sensed images emphasizing the study of spatial and environmental relationships.

0101	Christopher Neigh MW 10:00am - 10:50am Th 9:00am - 11:00am	Seats (Total: 25) LEF 2166 LEF 1138	 Lab
0102	Christopher Neigh MW 10:00am - 10:50am Th 11:00am - 1:00pm	Seats (Total: 25) LEF 2166 LEF 1138	 Lab

GEOG384 **Internship in Geography I**

GEOG384 *(PermReq)* **Internship in Geography I; (3 credits)** Grade Method: REG/P-F.
Only GEOG384 will count toward the major requirement. Prerequisite: GEOG201/211, GEOG212, GEOG306 and (ENGL391 or ENGL393). For GEOG majors only.
Supervised field training to provide career experience. Introduction to professional level activities, demands, opportunities. Placement at a public agency, non-profit organization, or private firm. Participation requires application to the internship advisor in preceding semester.

0101	Joseph Cirrincione Contact instructor or department for details.	Seats (Total: 5)

GEOG384H **Internship in Geography I**

GEOG384H Internship in Geography I; (3 credits) Grade Method: REG/P-F.
Only GEOG384 will count toward the major requirement. Prerequisite: GEOG201/211, GEOG212, GEOG306 and (ENGL391 or ENGL393). For GEOG majors only.

0101	Martha Geores Contact instructor or department for details.	Seats (Total: 5)

GEOG385 **Internship in Geography II**

GEOG385 *(PermReq)* **Internship in Geography II; (3 credits)** Grade Method: REG/P-F/AUD.
Only GEOG384 will count toward the major requirement. GEOG385 will count toward university requirements. Prerequisite: GEOG201, GEOG211, GEOG212, GEOG306 and Junior English. For GEOG majors only. Supervised field training to provide career experience. Introduction to professional-level activities, demands, opportunities. Placement at a public agency, nonprofit organization, or private firm. Participation requires application to the internship advisor in preceding semester.

0101	Joseph Cirrincione	Seats (Total: 5)
	Contact instructor or department for details.	

GEOG385H **Internship in Geography II**

GEOG385H Internship in Geography II; (3 credits) Grade Method: REG/P-F/AUD.
Only GEOG384 will count toward the major requirement. GEOG385 will count toward university requirements. Prerequisite: GEOG201, GEOG211, GEOG212, GEOG306 and Junior English. For GEOG majors only.

0101	Martha Geores	Seats (Total: 5)
	Contact instructor or department for details.	

GEOG396 **Honors Research**

GEOG396 Honors Research; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: permission of department. Senior standing. For GEOG majors only. Formerly GEOG397. First course in the departmental honors sequence. Student development of a potential research topic under the guidance of a faculty advisor, culminating in a written and oral presentation of a research proposal.

0101	Martha Geores	Seats (Total: 5)
	Contact instructor or department for details.	

GEOG397 **Honors Thesis**

GEOG397 Honors Thesis; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: GEOG396. Senior standing. For GEOG majors only. Formerly GEOG399. Second course in the departmental honors sequence. Student research under the auspices of a faculty advisor, culminating in a research paper to be defended orally before the geography honors committee.

0101	Martha Geores	Seats (Total: 5)
	Contact instructor or department for details.	

GEOG398 **Special Topics in Geography**

GEOG398 *(PermReq)* **Special Topics in Geography; (3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

GEOG410 **Washington, D.C.: Past and Present**

GEOG410 Washington, D.C.: Past and Present; (3 credits) Grade Method: REG/P-F/AUD.
Credit will be granted for only one of the following: GEOG410 or GEOG454. Formerly GEOG454. Development of the Washington, D.C. area from its origin as the Federal Capital to its role as a major metropolitan area. The geographic setting, the L'Enfant Plan and its modification, the federal government role, residential and commercial structure. The growth of Washington's suburbs.

0101	Mila Zlatic	Seats (Total: 25)
	Tu 2:00pm - 4:30pm	LEF 2166

GEOG434 **The Contemporary City**

GEOG434 The Contemporary City; (3 credits) Grade Method: REG/P-F/AUD.
Credit will be granted for only one of the following: GEOG434 or GEOG450. Formerly GEOG450. The contemporary urban system: towns, cities and metropolitan areas and their role as concentrations of social and economic activity. Patterns of land-use: residential, employment, commercial activity, manufacturing, and transportation. Explanatory and descriptive models. International comparisons.

0101	Mila Zlatic	Seats (Total: 45)
	MW 3:30pm - 4:45pm	TYD 1102

GEOG435 **Population Geography**

GEOG435 Population Geography; (3 credits) Grade Method: REG/P-F/AUD.
Credit will be granted for only one of the following: GEOG422 or GEOG435. Formerly GEOG422. The spatial characteristics of population distribution and growth, migration, fertility and mortality from a global perspective. Basic population-environmental relationships; carrying capacity, density, relationships to national development.

0101	Mila Zlatic	Seats (Total: 45)	
	MW 11:00am - 12:15pm	TYD 1101	

GEOG445 **Climatology**

GEOG445 Climatology; (3 credits) Grade Method: REG.
Prerequisite: GEOG345. Credit will be granted for only one of the following: GEOG445 or GEOG446. Formerly GEOG446. Quantitative investigations into the Earth's radiation balance, water cycle, and the interrelationship of climate and vegetation. Methodologies in climate research. Case studies related to global climatic change.

0101	Eric Vermote	Seats (Total: 20)	
	TuTh 11:00am - 12:15pm	LEF 1201	

GEOG472 **Remote Sensing: Digital Processing and Analysis**
Contact department for information to register for this course.

GEOG473 **Geographic Information Systems and Spatial Analysis**

GEOG473 Geographic Information Systems and Spatial Analysis; (3 credits)
Grade Method: REG/P-F/AUD.
Prerequisite: GEOG306 and GEOG373. Credit will be granted for only one of the following: GEOG473 or GEOG482. Formerly GEOG482. Analytical uses of geographic information systems; data models for building geographic data bases; types of geographic data and spatial problems; practical experience using advanced software for thematic domains such as terrain analysis, land suitability modeling, demographic analysis, and transportation studies. There is a lab fee of $40.00 required for this course.

0101	Kuan Song	Seats (Total: 25)	
	M 1:00pm - 3:00pm	LEF 2166	
	W 9:00am - 11:00am	LEF 1138	Lab

0102	Kuan Song M 1:00pm - 3:00pm W 11:00am - 1:00pm	Seats (Total: 25) LEF 2166 LEF 1138	 Lab

GEOG475 **Computer Cartography**

GEOG475 Computer Cartography; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: GEOG306 and GEOG373. Credit will be granted for only one of the following: GEOG471 or GEOG475. Formerly GEOG471.* Advanced skills of computer mapping using more sophisticated software packages. Map projection evaluation and selection, coordinate system conversion, techniques of quantitative thematic mapping, map design and generalization, hypermedia and animated cartography. Emphasis on designing and making cartographically sound sophisticated thematic maps. There is a $40 lab fee with this course.

0101	James Tedrick M 5:30pm - 7:30pm Tu 9:00am - 11:00am	Seats (Total: 25) LEF 2166 LEF 1138	 Lab
0102	James Tedrick M 5:30pm - 7:30pm Tu 11:00am - 1:00pm	Seats (Total: 25) LEF 2166 LEF 1138	 Lab

GEOG498 **Topical Investigations**

GEOG498 *(PermReq)* **Topical Investigations; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

GEOG579 **Introduction to Remote Sensing and GIS**
Contact department for information to register for this course.

GEOG602 **Introduction to Physical Geography**

GEOG602 Introduction to Physical Geography; (3 credits) Grade Method: REG/AUD.
Prerequisite: permission of department. Introduces students to current trends and developments in physical geography and to research procedures in the field.

0101	John Townshend M 3:00pm - 5:30pm	Seats (Total: 40) LEF 1124

GEOG603 **Masters Research Tutorial**

GEOG603 Masters Research Tutorial; (3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: GEOG 600; and permission of department. Credit will be granted for only one of the following: GEOG 603 or GEOG 610. Formerly GEOG610. Development of Masters scholarly paper topic, critical literature review, formulation of geographical approach to research methodology. Individual meetings with faculty. Comprehensive exam before the end of the semester.

Contact department for information to register for this course.

GEOG604 **PhD Research Tutorial**

GEOG604 PhD Research Tutorial; (3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: GEOG 600; and permission of department. Credit will be granted for only one of the following: GEOG 604, GEOG 610D, or GEOG 611. Formerly GEOG611. Development of Doctoral research proposal: critical literature review; formulation of research methodology; data identification and evaluation. Individual meetings with faculty. Doctoral proposal defense before end of semester.

Contact department for information to register for this course.

GEOG606 **Quantitative Spatial Analysis**

GEOG606 Quantitative Spatial Analysis; (3 credits) Grade Method: REG/AUD.
Prerequisite: GEOG 305; or permission of department. Credit will be granted for only one of the following: GEOG 605 or GEOG 606. Formerly GEOG605. Multivariate statistical method applications to spatial problems. Linear and non-linear correlation and regression, factor analysis, cluster analysis. Spatial statistics including: trend surfaces, sequences, point distributions. Applications orientation. The course has a $40 lab fee.

0101	Kuan Song Tu 3:30pm - 6:00pm	Seats (Total: 20) LEF 1124

GEOG614 **Human Dimensions of Global Change**

GEOG614 Human Dimensions of Global Change; (3 credits) Grade Method: REG/AUD.
The intersection of human and biophysical systems from the vantage point of the impact of human actions on the environment are examined. The impact of the biophysical environment on humans is also discussed.

0101	Martha Geores	Seats (Total: 20)
	Tu 1:00pm - 3:30pm	LEF 1171

GEOG636 **Qualitative Methods in Geography**

GEOG636 Qualitative Methods in Geography; (3 credits) Grade Method: REG/AUD.
Prerequisite: permission of department. Formerly GEOG648C. Use of qualitative methods for qualitative geographic research. Design procedures and analysis of qualitative studies are the focus of the course. Includes readings and trying out various methods. Students will be able to present their own research and use it as an example throughout the course.

0101	Martha Geores	Seats (Total: 20)
	W 3:00pm - 5:30pm	LEF 2166

GEOG673 **GIS Modeling**
Contact department for information to register for this course.

GEOG674 **GIS Spatial Databases**

GEOG674 GIS Spatial Databases; (3 credits) Grade Method: REG/AUD.
Prerequisite: GEOG473 or equivalent. Credit will be granted for only one of the following: GEOG674 or GEOG696. Formerly GEOG696. Introduces fundamental concepts and practical skills required to design, implement and use GIS databases. Students will learn to store and represent geospatial data in databases, design and create a spatial database, manage and query geospatial data, and deliver and present geospatial data. Students must pay a $40 lab fee.

0101	Naijun Zhou	Seats (Total: 20)
	W 5:00pm - 7:30pm	LEF 1124

GEOG748A **Seminar in Physical Geography; Controversies in Climate Change: How the IPCC has Become a Source of Controversy**

GEOG748A Seminar in Physical Geography: Controversies in Climate Change: How the IPCC has Become a Source of Controversy; (3 credits) Grade Method: REG/AUD.

0101	Michael Kearney	Seats (Total: 20)
	Tu 3:30pm - 6:00pm	LEF 1171

GEOG788 **Selected Topics in Geography**

GEOG788 *(PermReq)* **Selected Topics in Geography; (1-3 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.
Repeatable to 6 credits if content differs.

Contact department for information to register for this course.

GEOG788F **Selected Topics in Geography; Field Course on the Southwest**

GEOG788F Selected Topics in Geography: Field Course on the Southwest; (3 credits) Grade Method: REG/AUD/S-F.

0101	Ralph Dubayah	Seats (Total: 8)
	Th 12:30pm - 3:00pm	LEF 1171

GEOG789 **Independent Readings**

GEOG789 *(PermReq)* **Independent Readings; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Repeatable to 6 credits if content differs.

Contact department for information to register for this course.

GEOG790 **Internship in Geography**

GEOG790 Internship in Geography; (3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Field experience in the student's specialty in a Federal, state, or local agency or private business. Research paper required.

Contact department for information to register for this course.

GEOG794 **Professional Project II**

Contact department for information to register for this course.

GEOG798 **Selected Topics in Geography: Seminar Series; Seminar Series**

GEOG798 Selected Topics in Geography: Seminar Series: Seminar Series; (1 credit) Grade Method: REG/AUD.

0101	Chris Justice	Seats (Total: 50)
	Th 3:30pm - 5:00pm	LEF 1124

GEOG799 **Master's Thesis Research**

GEOG799 *(PermReq)* **Master's Thesis Research; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

GEOG898 **Pre-Candidacy Research**

GEOG898 *(PermReq)* **Pre-Candidacy Research; (1-8 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

GEOG899 **Doctoral Dissertation Research**

GEOG899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

GEOL Geology Spring 2009

GEOL100 **Physical Geology**

GEOL100 Physical Geology; (3 credits) Grade Method: REG/P-F/AUD.
CORE Distributive Studies Physical Science Laboratory Course only when taken concurrently with GEOL 110. Credit will be granted for only one of the following: GEOL100 or GEOL120. A general survey of the rocks and minerals composing the earth, its surface features and the agents that form them, and the dynamic forces of plate tectonics. CORE Distributive Studies Physical Science Laboratory Course only when taken concurrently with GEOL 110.

0101	John Merck MWF 1:00pm - 1:50pm	Seats (Total: 100) JMP 3201	
0201	Aaron Martin TuTh 2:00pm - 3:15pm	Seats (Total: 100) KEB 1110	

GEOL102 **Historical Geology**

GEOL102 Historical Geology; (4 credits) Grade Method: REG/P-F/AUD.
Prerequisite: GEOL100 or GEOL120, and GEOL110 or permission of department. Earth's history as revealed through the principles of stratigraphy and the processes of physical geology. Emphasis on formations and geologic development of the North American continent.

0101	Thomas Holtz MWF 9:00am - 9:50am W 2:00pm - 5:00pm	Seats (Total: 20) PLS 1172 GEO 2107	 Lab

GEOL110 **Physical Geology Laboratory**

GEOL110 Physical Geology Laboratory; (1 credit) Grade Method: REG/P-F.
CORE Distributive Studies Physical Science Laboratory Course only when taken concurrently with GEOL 100. Pre- or corequisite: GEOL100 or GEOL120. The basic materials and tools of physical geology stressing familiarization with rocks and minerals and the use of maps in geologic interpretations. CORE Distributive Studies Physical Science Laboratory Course only when taken concurrently with GEOL 100. Students must pay a $50.00 Laboratory Materials fee.

0101	Barry Reno M 3:00pm - 6:00pm	Seats (Total: 22) GEO 2106	 Lab

0110	Harry Oduro Tu 12:30pm - 3:30pm	Seats (Total: 22) GEO 2106	Lab
0201	Barry Reno M 12:00pm - 3:00pm	Seats (Total: 22) GEO 2106	Lab
0301	Daniel Hawkins Tu 9:00am - 12:00pm	Seats (Total: 22) GEO 2106	Lab
0401	Lisa Walsh Tu 4:00pm - 7:00pm	Seats (Total: 22) GEO 2106	Lab
0501	Daniel Hawkins Th 9:00am - 12:00pm	Seats (Total: 22) GEO 2106	Lab
0601	Lisa Walsh Th 4:00pm - 7:00pm	Seats (Total: 22) GEO 2106	Lab
0901	Yan Chen W 3:00pm - 6:00pm	Seats (Total: 22) GEO 2106	Lab

GEOL120 **Environmental Geology**

GEOL120 Environmental Geology; (3 credits) Grade Method: REG/P-F/AUD. CORE Physical Science (PS) Course.
Credit will be granted for only one of the following: GEOL100 or GEOL120. A review of geologic factors underlying many environmental problems and the interactions between population and physical environment: geologic hazards, land-use planning, conservation, mineral resources, waste disposal, land reclamation, and the geologic aspects of health and disease. The course is aimed at lower division students in education and liberal arts, and should be useful to any student concerned with geologic perspectives of environmental problems.

0101	Saswata Hier-Majumder TuTh 12:30pm - 1:45pm M 3:00pm - 3:50pm	Seats (Total: 20) JMP 3201 PLS 1115	Discussion
0102	Saswata Hier-Majumder TuTh 12:30pm - 1:45pm M 4:00pm - 4:50pm	Seats (Total: 20) JMP 3201 PLS 1115	Discussion

0103	Saswata Hier-Majumder TuTh 12:30pm - 1:45pm M 5:00pm - 5:50pm	Seats (Total: 20) JMP 3201 PLS 1115	Discussion
0104	Saswata Hier-Majumder TuTh 12:30pm - 1:45pm M 3:00pm - 3:50pm	Seats (Total: 20) JMP 3201 PLS 1117	Discussion
0105	Saswata Hier-Majumder TuTh 12:30pm - 1:45pm M 4:00pm - 4:50pm	Seats (Total: 20) JMP 3201 PLS 1117	Discussion
0106	Saswata Hier-Majumder TuTh 12:30pm - 1:45pm M 5:00pm - 5:50pm	Seats (Total: 20) JMP 3201 PLS 1117	Discussion
0201	Tracey Centorbi TuTh 3:30pm - 4:45pm W 3:00pm - 3:50pm	Seats (Total: 20) CHM 1402 PLS 1146	Discussion
0202	Tracey Centorbi TuTh 3:30pm - 4:45pm W 4:00pm - 4:50pm	Seats (Total: 20) CHM 1402 PLS 1146	Discussion
0203	Tracey Centorbi TuTh 3:30pm - 4:45pm W 5:00pm - 5:50pm	Seats (Total: 20) CHM 1402 PLS 1146	Discussion
0204	Tracey Centorbi TuTh 3:30pm - 4:45pm W 3:00pm - 3:50pm	Seats (Total: 20) CHM 1402 PLS 1172	Discussion
0205	Tracey Centorbi TuTh 3:30pm - 4:45pm W 4:00pm - 4:50pm	Seats (Total: 20) CHM 1402 PLS 1172	Discussion
0206	Tracey Centorbi TuTh 3:30pm - 4:45pm W 5:00pm - 5:50pm	Seats (Total: 20) CHM 1402 PLS 1172	Discussion

GEOL123 Causes and Implications of Global Change

GEOL123 Causes and Implications of Global Change; (3 credits) Grade Method: REG/P-F/AUD. CORE Physical Science (PS) Course.
Also offered as AOSC123 and GEOG123. Credit will be granted for only one of the following: AOSC123, GEOG123, GEOL123, or METO123. This course offers a unique experience in integrating physical, chemical, geologic, and biological sciences with geographical, economic, sociological and political knowledge skills toward a better understanding of global change. Review of environmental science relating to weather and climate change, acid precipitation, ozone holes, global warming, and impacts on biology, agriculture, and human behavior. Study of the natural, long-term variability of the global environment, and what influence mankind may have in perturbing it from its natural evolution. Concepts of how physical, biological, and human behavioral systems interact, and the repercussions which may follow from human endeavors. The manner in which to approach decision and policy making related to issues of global change.

0101	Rachel Pinker, Thomas Holtz, Eric Kasischke MW 12:00pm - 12:50pm F 9:00am - 9:50am	Seats (Total: 24) LEF 2205 WDS 1130	 Discussion
0102	Eric Kasischke, Thomas Holtz, Rachel Pinker MW 12:00pm - 12:50pm F 11:00am - 11:50am	Seats (Total: 24) LEF 2205 LEF 1222	 Discussion
0103	Eric Kasischke, Thomas Holtz, Rachel Pinker MW 12:00pm - 12:50pm F 12:00pm - 12:50pm	Seats (Total: 24) LEF 2205 LEF 1222	 Discussion
0104	Thomas Holtz, Rachel Pinker, Eric Kasischke MW 12:00pm - 12:50pm Th 9:30am - 10:20am	Seats (Total: 24) LEF 2205 JMZ 0125	 Discussion
0105	Rachel Pinker, Eric Kasischke, Thomas Holtz MW 12:00pm - 12:50pm Th 11:00am - 11:50am	Seats (Total: 24) LEF 2205 JMZ 1224	 Discussion

0106	Eric Kasischke, Thomas Holtz, Rachel Pinker MW 12:00pm - 12:50pm F 9:00am - 9:50am	Seats (Total: 24) LEF 2205 LEF 1221	Discussion
0107	Thomas Holtz, Eric Kasischke, Rachel Pinker MW 12:00pm - 12:50pm Th 9:30am - 10:20am	Seats (Total: 24) LEF 2205 LEF 1201	Discussion
0108	Thomas Holtz, Rachel Pinker, Eric Kasischke MW 12:00pm - 12:50pm F 12:00pm - 12:50pm	Seats (Total: 24) LEF 2205 LEF 2166	Discussion
0109	Thomas Holtz, Rachel Pinker, Eric Kasischke MW 12:00pm - 12:50pm Th 11:00am - 11:50am	Seats (Total: 24) LEF 2205 TYD 0101	Discussion
0110	Rachel Pinker, Thomas Holtz, Eric Kasischke MW 12:00pm - 12:50pm W 1:00pm - 1:50pm	Seats (Total: 24) LEF 2205 TYD 2110	Discussion

GEOL288A **Field Studies I; Natural History of Arizona**
Contact department for information to register for this course.

GEOL340 **Geomorphology**

GEOL340 Geomorphology; (4 credits) Grade Method: REG/P-F/AUD.
Two Saturday field trips. Prerequisite: GEOL100 or GEOL120. Analysis of landforms, organized on the basis of the geologic processes that have operated during the late Cenozoic. Constructional and erosional landforms related to physical systems operating on geologic structures through time.

0101	Karen Prestegaard TuTh 9:30am - 10:45am W 10:00am - 1:00pm	Seats (Total: 20) PLS 1117 GEO 2107	Lab

GEOL342 **Sedimentation and Stratigraphy**

GEOL342 Sedimentation and Stratigraphy; (4 credits) Grade Method: REG/P-F. *Prerequisite: GEOL100 or GEOL120; GEOL110; and GEOL322; and one of the following: CHEM103, {CHEM131 and CHEM132} or {CHEM135 and CHEM136}.* Description, origin, and distribution of sediments and sedimentary rocks. Two mandatory weekend field trips.

0101	Alan Kaufman	Seats (Total: 14)	
	TuTh 11:00am - 12:15pm	PLS 1172	
	M 1:00pm - 4:00pm	GEO 2117	Lab

GEOL386 **Experiential Learning**

GEOL386 *(PermReq)* **Experiential Learning; (3-6 credits)** Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: permission of department. Junior standing.

Contact department for information to register for this course.

GEOL393 **Technical Writing for Geoscientists**

GEOL393 Technical Writing for Geoscientists; (3 credits) Grade Method: REG. *Prerequisites: For GEOL majors only; minimum of Junior standing and at least 2 Upper Level GEOL courses with at least a third GEOL course concurrent.* Planning, writing and presenting a plan for research in the geosciences.

0101	Philip Candela	Seats (Total: 10)
	W 4:30pm - 6:30pm	PLS 1113
	Contact instructor or department for details.	

GEOL393H **Technical Writing for Geoscientists**

GEOL393H Technical Writing for Geoscientists; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisites: For GEOL majors only; minimum of Junior standing and at least 2 Upper Level GEOL courses with at least a third GEOL course concurrent.

0101	Philip Candela	Seats (Total: 10)
	W 4:30pm - 6:30pm	PLS 1113
	Contact instructor or department for details.	

GEOL394 **Research Problems in Geology**

GEOL394 Research Problems in Geology; (3 credits) Grade Method: REG. CORE Capstone (CS) Course. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: For GEOL majors only; minimum of Junior standing, GEOL393 and at least 3 Upper Level GEOL courses. Investigation of a specific laboratory, library or field problem. Written and oral presentation of the study.

Contact department for information to register for this course.

GEOL394H **Research Problems in Geology**

GEOL394H Research Problems in Geology; (3 credits) Grade Method: REG. CORE Capstone (CS) Course. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: For GEOL majors only; minimum of Junior standing, GEOL393 and at least 3 Upper Level GEOL courses. For general honors students only.

Contact department for information to register for this course.

GEOL423 **Optical Mineralogy**

GEOL423 Optical Mineralogy; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisites: GEOL100 or GEOL120, GEOL110, GEOL322, and one of the following: {CHEM131 and CHEM132}, {CHEM135 and CHEM136}, or CHEM103. The optical behavior of crystals with emphasis on the theory and application of the petrographic microscope.

0101	Sarah Penniston-Dorland	Seats (Total: 14)	
	MF 9:00am - 9:50am	PLS 1117	
	W 9:00am - 12:00pm	GEO 2117	Lab

GEOL437 **Global Climate Change: Past and Present**

GEOL437 Global Climate Change: Past and Present; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: MATH115 or MATH140; GEOL100 or GEOL120, and one of the following: {CHEM131 and CHEM132}, {CHEM135 and CHEM136}, or CHEM103. The goal of the course is to highlight the fact that global climate change is part of the Earth's past as well as of its present and future. Changes in climate that have occurred in the geologic past can be viewed as the Earth's natural climate variability. These changes are different from, though could be linked with, historical and present anthropogenically-induced climate change. We will discuss the modern climate system, the factors capable of forcing climate change on various time scales, the geologic proxies of past climate change and what these proxies tell us. Finally, we will compare and contrast past climate change with what is understood (and not understood) about modern climate change.

0101	Michael Evans	Seats (Total: 20)	
	TuTh 8:00am - 9:15am	PLS 1172	

GEOL443 **Petrology**

GEOL443 Petrology; (4 credits) Grade Method: REG/P-F/AUD.
Prerequisites: GEOL100 or GEOL120, GEOL110, and GEOL322, and one of the following: {CHEM131 and CHEM132}, {CHEM135 and CHEM136}, or CHEM103. Corequisite: GEOL423 or permission of department. Study of igneous and metamorphic rocks: petrogenesis, distributions, chemical and mineralogical relations, macroscopic and microscopic descriptions, geologic significance.

0101	Roberta Rudnick, Richard Walker	Seats (Total: 15)	
	TuTh 8:00am - 9:15am	PLS 1158	
	Th 1:00pm - 4:00pm	GEO 2117	Lab

GEOL451 **Groundwater**

GEOL451 Groundwater; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisites: MATH140, GEOL100 or GEOL120, GEOL110 and one of the following: {CHEM131 and CHEM132}, {CHEM135 and CHEM136}, or CHEM103; or permission of department. Junior standing. An introduction to the basic geologic parameters associated with the hydrologic cycle. Problems in the accumulation, distribution, and movement of groundwater will be analyzed.

0101	Wenlu Zhu	Seats (Total: 42)
	TuTh 4:15pm - 5:30pm	PLS 1119

GEOL455 **Marine Geophysics**

GEOL455 Marine Geophysics; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: GEOL100 or GEOL120, MATH140, MATH141; or permission of department. Credit will be granted for only one of the following: GEOL455 or GEOL489E. Formerly GEOL489E.* Plate tectonics, earthquakes and faulting, isostasy and gravity, heat and mantle dynamics, ocean ridges and transform faults, hydrothermal vents, trenches and oceanic islands, subduction zones, accretionary and erosion wedges, sedimentary basins and continental rifts. Exploration of the oceans using geophysical methods.

0101	Wenlu Zhu	Seats (Total: 10)
	W 12:00pm - 3:00pm	PLS 1158

GEOL457 **Seismology**

GEOL457 Seismology; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: GEOL100 or GEOL120, GEOL110, MATH140, MATH141; or permission of department. Recommended: PHYS141, PHYS161, or PHYS171. Credit will be granted for only one of the following: GEOL457 or GEOL489A. Formerly GEOL489A.* General overview of the basics of seismology, starting with wave propagation, seismic reflection and refraction. Applications to the determination of the seismic velocity and anisotropy structure of the Earth. Earthquake generation, postseismic deformation and creep events, relation to faulting and plate tectonics.

0101	Laurent Montesi	Seats (Total: 10)
	TuTh 9:30am - 10:45am	CSS 0201

GEOL471 **Geochemical Methods of Analysis**

GEOL471 Geochemical Methods of Analysis; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: One of the following: {CHEM131 and CHEM132}, {CHEM135 and CHEM136}, or CHEM103; and CHEM113. Principles and application of geochemical analysis as applied to a variety of geological problems. X-ray and optical spectroscopy, X-ray diffraction, atomic absorption, electron microprobe, and electron microscopy.

0101	William McDonough	Seats (Total: 10)	
	M 1:30pm - 2:50pm	PLS 1115	
	W 1:30pm - 2:50pm	PLS 1115	Discussion

GEOL489H **Special Topics; Recent Advances of Geology**

GEOL489H *(PermReq)* **Special Topics: Recent Advances of Geology; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisites: For GEOL majors only; minimum of Junior standing and a least 2 Upper Level GEOL courses with at least a third GEOL course and GEOL393 concurrent. Restricted to participants in Geology departmental honors.

0101	Michael Brown	Seats (Total: 10)	
	M 11:00am - 11:50am	PLS 1162	
	M 4:00pm - 6:00pm	PLS 1158	Discussion

GEOL489I **Special Topics; Origin and Evolution of Continents**

GEOL489I Special Topics: Origin and Evolution of Continents; (3 credits) Grade Method: REG/P-F/AUD.

0101	Roberta Rudnick	Seats (Total: 10)	
	Tu 12:30pm - 3:30pm	CHM 0215	

GEOL489O **Special Topics; Advanced Field Methods**

GEOL489O Special Topics: Advanced Field Methods; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisites: GEOL322 and GEOL341 or permission of instructor. For GEOL and ENSP majors and Geology minors.

0101	Aaron Martin	Seats (Total: 13)	
	F 2:00pm - 4:30pm	PLS 1172	

GEOL499 **Special Problems in Geology**

GEOL499 *(PermReq)* **Special Problems in Geology; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Intensive study of a special geologic subject or technique selected after consultation with instructor. Intended to provide training or instruction not available in other courses which will aid the student's development in his or her field of major interest.

Contact department for information to register for this course.

GEOL671 **Analytical Methods in Mineralogy**

GEOL671 Analytical Methods in Minerology; (3 credits) Grade Method: REG/AUD. *Prerequisite: GEOL 422; and CHEM 471.* An intensive study in the operation and application of instrumentation in mineralogical problems. Emphasis on designing and testing methods of analysis for use in the student's research problems in geology.

0101	William McDonough	Seats (Total: 10)	
	M 1:30pm - 2:50pm	PLS 1115	
	W 1:30pm - 2:50pm	PLS 1115	Discussion

GEOL789A **Recent Advances in Geology; Seismology**

GEOL789A Recent Advances in Geology: Seismology; (3 credits) Grade Method: REG/AUD.
Prerequisites: MATH140; MATH141; and one of the following: GEOL100 or GEOL120. Recommended: One of the following: PHYS141 or PHYS161 or PHYS171. General overview of the basics of seismology, starting with wave propagation, seismic reflection and refraction. Application to the determination of the seismic velocity and anisotropy structure of the Earth. Earthquake generation, postseismic deformation and creep events, relation to faulting and plate tectonics.

0101	Laurent Montesi	Seats (Total: 10)	
	TuTh 9:30am - 10:45am	CSS 0201	

GEOL789B **Recent Advances in Geology; Fluvial Geomorphology**

GEOL789B Recent Advances in Geology: Fluvial Geomorphology; (3 credits) Grade Method: REG/AUD.

0101	Karen Prestegaard M 4:00pm - 6:30pm	Seats (Total: 12) PLS 1168

GEOL789E **Recent Advances in Geology; Marine Geophysics**

GEOL789E Recent Advances in Geology: Marine Geophysics; (3 credits) Grade Method: REG/AUD.
Prerequisite: One year of college calculus and GEOL100 or permission of instructor.
Topics include: Plate tectonics earthquake and faulting, isostacy and gravity, heat and mantle dynamics, ocean ridges and transform faults, hydrothermal vents, trenches and oceanic islands, subduction zones, accretionary and erosion wedges, sedimentary basins and continental rifts. Exploration of the oceans using geophysical methods.

0101	Wenlu Zhu W 12:00pm - 3:00pm	Seats (Total: 10) PLS 1158

GEOL789I **Recent Advances in Geology; Origin and Evoloution of Continents**

GEOL789I Recent Advances in Geology: Origin and Evoloution of Continents; (3 credits) Grade Method: REG/AUD.

0101	Roberta Rudnick Tu 12:30pm - 3:30pm	Seats (Total: 10) CHM 0215

GEOL789O **Recent Advances in Geology; Advanced Field Methods**

GEOL789O *(PermReq)* **Recent Advances in Geology: Advanced Field Methods; (3 credits)** Grade Method: REG/AUD.
Prerequisites: Permission of instructor.

0101	Aaron Martin F 2:00pm - 4:30pm	Seats (Total: 10) PLS 1172

GEOL798 **Seminar in Geology**

GEOL798 *(PermReq)* **Seminar in Geology; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

GEOL799 **Master's Thesis Research**

GEOL799 Master's Thesis Research; (1-6 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

GEOL898 **Pre-Candidacy Research**

GEOL898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

GEOL899 **Doctoral Dissertation Research**

GEOL899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

GERM Germanic Studies Spring 2009

GERM103 **Intensive Elementary German**

Students with no experience in the language are invited to register for GERM103.
GERM103 Intensive Elementary German; (4 credits) Grade Method: REG/P-F/AUD.
Not open to students who have completed GERM101, GERM102, more than two years of high school German, or to fluent/native speakers of German. Credit will be granted for only one of the following: GERM102 or GERM103. Covers speaking, reading, writing, listening, and culture of German-speaking world.

0101	Susanne Van Leuven	Seats (Total: 25)
	MTuWF 10:00am - 10:50am	JMZ 3120

0301	Sabine Eubanks MTuWF 1:00pm - 1:50pm	Seats (Total: 25) JMZ 0103
0401	Victoria Finney MTuWF 2:00pm - 2:50pm	Seats (Total: 25) JMZ 0120

GERM149Y **Germanic Languages - Elementary II; Elementary Yiddish II**

GERM149Y Germanic Languages - Elementary II: Elementary Yiddish II; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as JWST282.

0101	Miriam Isaacs TuTh 9:30am - 10:45am	Seats (Total: 25) HZF 0142

GERM203 **Intensive Intermediate German**

GERM203 Intensive Intermediate German; (4 credits) Grade Method: REG. CORE Humanities (HO) Course.
Prerequisite: GERM103 or equivalent. Not open to students who have completed GERM201, GERM202, four years of high school German, or to fluent/native speakers of German. Credit will be granted for only one of the following: GERM202 or GERM203. Covers speaking, reading, writing, listening, and culture of German-speaking world.

0101	William Hildebrandt MWF 10:00am - 10:50am Tu 10:00am - 10:50am	Seats (Total: 25) JMZ 0122 JMZ 0105
0201	William Hildebrandt MTuWF 12:00pm - 12:50pm	Seats (Total: 25) JMZ 0125

GERM204 **German Grammar Review**

GERM204 German Grammar Review; (3 credits) Grade Method: REG. CORE Humanities (HO) Course.
Prerequisite: GERM203 or level 4 of high school German. Not open to fluent/native speakers. An in-depth study and analysis of selected grammatical topics in a contextualized framework.

0101	Ina Sammler	Seats (Total: 25)
	MWF 11:00am - 11:50am	WDS 1114

GERM282 **Germanic Mythology**

GERM282 Germanic Mythology; (3 credits) Grade Method: REG/P-F/AUD. CORE Literature (HL) Course.
An introduction to the religious beliefs of the pagan Germanic peoples. Comparison of Germanic myths with those of other Indo-European peoples. The conversion of the Germania to Christianity and the preservation of pagan beliefs in superstition and literature. Taught in English.

0101	Rose-Marie Oster	Seats (Total: 49)
	TuTh 11:00am - 12:15pm	JMZ 2206

GERM301 **Conversation and Composition I: Germany and Its People**

GERM301 Conversation and Composition I: Germany and Its People; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: GERM204 or equivalent. Practice in contemporary spoken and written German. Systematic review of grammar, and exercises in composition. Emphasis on cultural contrasts.

0101	Melda Baysal Walsh	Seats (Total: 20)
	MWF 12:00pm - 12:50pm	JMZ 1103

GERM302 **Conversation and Composition II: Current Topics in German Society**

GERM302 Conversation and Composition II: Current Topics in German Society; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: GERM301 or equivalent. Further practice in contemporary spoken and written German. Contemporary social, political, and cultural themes.

0101	Katharina Rudolf	Seats (Total: 20)
	MWF 11:00am - 11:50am	JMZ 1226

GERM368A **Scandinavian Civilization; Scandinavian Women in the Viking Age**

GERM368A Scandinavian Civilization: Scandinavian Women in the Viking Age; (3 credits) Grade Method: REG/P-F/AUD.

0101	Rose-Marie Oster	Seats (Total: 35)
	TuTh 2:00pm - 3:15pm	JMZ 2206

GERM386 **Experiential Learning**

GERM386 Experiential Learning; (3-6 credits) Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number. *Prerequisite: permission of department. Junior standing.*

Contact department for information to register for this course.

GERM397H **Honors Reading (Independent Study)**

GERM397H Honors Reading (Independent Study); (3 credits) Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

GERM399 **Selected Topics in Germanic Studies**
Contact department for information to register for this course.

GERM399G **Selected Topics in Germanic Studies; Survey of German Studies**

GERM399G Selected Topics in Germanic Studies: Survey of German Studies; (3 credits) Grade Method: REG/P-F/AUD.

0101	Peter Beicken	Seats (Total: 25)
	MWF 10:00am - 10:50am	JMZ 2125

GERM403 **Advanced Composition: German Cultural and Social Issues**

GERM403 Advanced Composition: German Cultural and Social Issues; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: GERM302 or equivalent. Advanced instruction in writing skills. Contemporary and/or historical treatment of cultural and social issues. Also offered as GERM403H.

0101	Gabriele Strauch TuTh 12:30pm - 1:45pm	Seats (Total: 20) JMZ 1122

GERM403H **Advanced Composition: German Cultural and Social Issues**

GERM403H Advanced Composition: German Cultural and Social Issues; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: GERM302 or equivalent. For general honors students only. Also offered as GERM403.

0101	Gabriele Strauch TuTh 12:30pm - 1:45pm	Seats (Total: 20) JMZ 1122

GERM423 **From Enlightenment through Storm and Stress**

GERM423 From Enlightenment through Storm and Stress; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: GERM320, GERM321, or GERM322; or permission of department. Readings of representative authors from the Enlightenment (1720- 1785), the Age of Sentimentalism (1740-1780), and Storm and Stress (1767-1785). Readings and instruction in German.

0101	Julie Koser MWF 12:00pm - 12:50pm	Seats (Total: 25) JMZ 2122

GERM498H **Honors Thesis Writing**

GERM498H Honors Thesis Writing; (3 credits) Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

GERM499 **Directed Study**

GERM499 Directed Study; (1-3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

GERM620 **Methods of German Literary Studies I: Theory**

GERM620 Methods of German Literary Studies I: Theory; (3 credits) Grade Method: REG/AUD.
History, methods and concepts of German literary studies. The teaching modules include a general introduction to "Germanistik," an in-depth discussion of literary theory and criticism, and the typology of genres.

0101	Elke Frederiksen W 5:00pm - 7:30pm	Seats (Total: 10) JMZ 2207

GERM689J **Special Topics - M.A. Level; German Youth Literature**

GERM689J Special Topics - M.A. Level: German Youth Literature; (3 credits) Grade Method: REG/AUD.

0101	Gabriele Strauch Tu 5:00pm - 7:30pm	Seats (Total: 10) JMZ 2125

GERM689W **Special Topics - M.A. Level; War and Peace: Literature and Film in the 20th Century**

GERM689W Special Topics - M.A. Level: War and Peace: Literature and Film in the 20th Century; (1-3 credits) Grade Method: REG/AUD.

0101	Peter Beicken M 5:00pm - 7:30pm	Seats (Total: 10) JMZ 3205

GERM798 **Master's Independent Study**

GERM798 Master's Independent Study; (1-3 credits) Grade Method: REG/AUD.
Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

GERM799 **Master's Thesis Research**

GERM799 Master's Thesis Research; (1-6 credits) Grade Method: REG/S-F.
Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

GERM839J **Seminar: Special Topics; German Youth Literature**

GERM839J Seminar: Special Topics: German Youth Literature; (3 credits) Grade Method: REG/AUD.

0101	Gabriele Strauch Tu 5:00pm - 7:30pm	Seats (Total: 10) JMZ 2125

GERM839W **Seminar: Special Topics; War and Peace: Literature and Film in the 20th Century**

GERM839W Seminar: Special Topics: War and Peace: Literature and Film in the 20th Century; (3 credits) Grade Method: REG/AUD.

0101	Peter Beicken M 5:00pm - 7:30pm	Seats (Total: 10) JMZ 3205

GERM888 **Doctoral Independent Study**

GERM888 *(PermReq)* **Doctoral Independent Study; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

GERM898 **Pre-Candidacy Research**

GERM898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

GERM899 **Doctoral Dissertation Research**

GERM899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

GREK Greek Spring 2009

GREK102 **Elementary Ancient Greek II**

GREK102 Elementary Ancient Greek II; (4 credits) Grade Method: REG/P-F/AUD. *Prerequisite: GREK101 or equivalent.* Continuing development of basic grammar and reading skills; study and discussion of central aspects of Greek culture.

0101	Charlotte Malerich	Seats (Total: 20)
	MWF 11:00am - 11:50am	MMH 2407A
	W 12:00pm - 12:50pm	MMH 2407A

GREK112 **Elementary Modern Greek II**

GREK112 Elementary Modern Greek II; (3 credits) Grade Method: REG/P-F/AUD. *Not open to native speakers of Greek. Prerequisite: GREK111 or permission of instructor. Credit will be granted for only one of the following: FOLA109G or GREK112. Formerly FOLA109G.* It is designed for students who have already completed the first semester course (GREK111) and/or those whose level of proficiency in Greek is not advanced enough for the intermediate level. Like GREK111, an introduction is provided to the language and culture of modern Greece. Students acquire the basic tools of the language and learn to communicate in simple, everyday situations. This is the second of our two-semester sequence in Elementary Modern Greek and contributes to the fulfillment of the foreign language requirement of the College of Arts and Humanities.

0101	Mary Pittas-Herschbach	Seats (Total: 25)
	MWF 12:00pm - 12:50pm	PLS 1119

GREK212 **Intermediate Modern Greek II**

GREK212 Intermediate Modern Greek II; (3 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course.
Prerequisite: GREK211 or permission of instructor. Credit will be granted for only one of the following: FOLA119G or GREK212. Formerly FOLA119G. A continuation in the development of fluency in spoken and written communication along with the exploration of syntactic and grammatical structures. Comprehension and vocabulary enrichment are further developed through selected readings from Modern Greek prose and poetry. This is the second of our two-semester sequence in Intermediate Modern Greek and contributes to the fulfillment of the foreign language requirement of the College of Arts and Humanities.

0101	Mary Pittas-Herschbach MW 2:00pm - 3:15pm	Seats (Total: 10) HBK 0123

GREK301 **Scenes from Athenian Life**

GREK301 Scenes from Athenian Life; (3 credits) Grade Method: REG/P-F/AUD. *Credit will be granted for only one of the following: GREK301 or GREK351. Formerly GREK351.* Makes the transition from study of Greek grammar to reading. Focus on selected aspects of life in Athens: marriage, friendship, the courts, festival, theatre. Reading short works by three authors: Lysias, Plato, and a playwright (e.g., Menander).

0101	Kenneth Tuite MW 3:30pm - 4:45pm	Seats (Total: 10) MMH 2407A

GREK311 **Readings and Conversations**

GREK311 Readings and Conversations; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: GREK212 or equivalent and permission of instructor.* Designed to help the student improve skills in conversation and reading. Students will be expected to read and discuss moderately advanced Greek texts on a variety of subjects and in a variety of styles.

0101	Mary Pittas-Herschbach MWF 10:00am - 10:50am	Seats (Total: 25) PLS 1117

GREK415 **Homer**

GREK415 Homer; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: permission of department. Extensive readings in Greek from the Iliad and the Odyssey, with special attention to the features of Homeric style and the similarities and differences between the two epics.

0101	Hugh Lee W 5:00pm - 7:50pm	Seats (Total: 15) MMH 0108

GREK499 **Independent Study in Greek Language and Literature**

GREK499 *(PermReq)* **Independent Study in Greek Language and Literature; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

GREK604 **Homer**

GREK604 Homer; (3 credits) Grade Method: REG/AUD.
The extensive and intensive reading of Homer, with concentration on one of his two epics. Discussion of the language, artistic qualities, and thought of the poems, and of modern views concerning their orgin and literary qualities.

0101	Hugh Lee	Seats (Total: 10)	
	W 5:00pm - 7:50pm	MMH 0108	

GREK699 **Independent Study in Greek Literature**

GREK699 *(PermReq)* **Independent Study in Greek Literature; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

GREK799 **Master's Thesis Research**

GREK799 *(PermReq)* **Master's Thesis Research; (1-6 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

GVPT Government and Politics Spring 2009

GVPT100 **Principles of Government and Politics**

GVPT100 Principles of Government and Politics; (3 credits) Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course.
A study of the basic principles and concepts of political science.

0101	Dorith Grant-Wisdom	Seats (Total: 28)	
	TuTh 11:00am - 12:15pm	SKN 0200	
	Th 2:00pm - 2:50pm	HBK 1112	Discussion

0102	Dorith Grant-Wisdom TuTh 11:00am - 12:15pm Th 3:00pm - 3:50pm	Seats (Total: 31) SKN 0200 JMZ 2123	Discussion
0103	Dorith Grant-Wisdom TuTh 11:00am - 12:15pm F 9:00am - 9:50am	Seats (Total: 32) SKN 0200 TYD 2109	Discussion
0104	Dorith Grant-Wisdom TuTh 11:00am - 12:15pm F 11:00am - 11:50am	Seats (Total: 31) SKN 0200 KEY 0121	Discussion
0105	Dorith Grant-Wisdom TuTh 11:00am - 12:15pm F 11:00am - 11:50am	Seats (Total: 31) SKN 0200 SKN 0104	Discussion
0106	Dorith Grant-Wisdom TuTh 11:00am - 12:15pm F 10:00am - 10:50am	Seats (Total: 31) SKN 0200 SQH 1121	Discussion
0107	Dorith Grant-Wisdom TuTh 11:00am - 12:15pm F 2:00pm - 2:50pm	Seats (Total: 32) SKN 0200 TYD 1132	Discussion
0108	Dorith Grant-Wisdom TuTh 11:00am - 12:15pm F 2:00pm - 2:50pm	Seats (Total: 31) SKN 0200 KEY 0125	Discussion
0109	Dorith Grant-Wisdom TuTh 11:00am - 12:15pm F 9:00am - 9:50am	Seats (Total: 32) SKN 0200 TYD 1114	Discussion

GVPT100H **Principles of Government and Politics**

GVPT100H Principles of Government and Politics; (3 credits) Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course.
Restricted to Honors students only.

0101	Karol Soltan TuTh 11:00am - 12:15pm	Seats (Total: 22) ANA 0120	

GVPT170 **American Government**

GVPT170 American Government; (3 credits) Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course.

A comprehensive study of national government in the United States.

0101	Francene Engel MW 3:30pm - 4:20pm F 9:00am - 9:50am	Seats (Total: 31) TYD 0130 ARM 0121	Discussion
0102	Francene Engel MW 3:30pm - 4:20pm Th 2:00pm - 2:50pm	Seats (Total: 31) TYD 0130 ARM 0119	Discussion
0103	Francene Engel MW 3:30pm - 4:20pm Th 3:00pm - 3:50pm	Seats (Total: 31) TYD 0130 ARM 0119	Discussion
0104	Francene Engel MW 3:30pm - 4:20pm F 1:00pm - 1:50pm	Seats (Total: 31) TYD 0130 TYD 0102	Discussion
0105	Francene Engel MW 3:30pm - 4:20pm F 1:00pm - 1:50pm	Seats (Total: 31) TYD 0130 SYM 0215	Discussion
0106	Francene Engel MW 3:30pm - 4:20pm F 2:00pm - 2:50pm	Seats (Total: 31) TYD 0130 LEF 2208	Discussion
0107	Francene Engel MW 3:30pm - 4:20pm Th 1:00pm - 1:50pm	Seats (Total: 31) TYD 0130 JMZ 0125	Discussion
0108	Francene Engel MW 3:30pm - 4:20pm Th 2:00pm - 2:50pm	Seats (Total: 31) TYD 0130 JMZ 2123	Discussion
0109	Francene Engel MW 3:30pm - 4:20pm Th 3:00pm - 3:50pm	Seats (Total: 31) TYD 0130 JMZ 2117	Discussion

0201	Paul Herrnson TuTh 2:00pm - 2:50pm F 9:00am - 9:50am	Seats (Total: 25) SHM 2102 LEF 2208	Discussion
0202	Paul Herrnson TuTh 2:00pm - 2:50pm F 10:00am - 10:50am	Seats (Total: 25) SHM 2102 SKN 1112	Discussion
0203	Paul Herrnson TuTh 2:00pm - 2:50pm F 11:00am - 11:50am	Seats (Total: 25) SHM 2102 TYD 2109	Discussion
0204	Paul Herrnson TuTh 2:00pm - 2:50pm F 12:00pm - 12:50pm	Seats (Total: 25) SHM 2102 TYD 1132	Discussion
0205	Paul Herrnson TuTh 2:00pm - 2:50pm F 1:00pm - 1:50pm	Seats (Total: 25) SHM 2102 TYD 2110	Discussion
0206	Paul Herrnson TuTh 2:00pm - 2:50pm M 1:00pm - 1:50pm	Seats (Total: 25) SHM 2102 TYD 1118	Discussion
0207	Paul Herrnson TuTh 2:00pm - 2:50pm M 2:00pm - 2:50pm	Seats (Total: 25) SHM 2102 JMZ 0208	Discussion
0208	Paul Herrnson TuTh 2:00pm - 2:50pm M 3:00pm - 3:50pm	Seats (Total: 25) SHM 2102 JMZ 1122	Discussion
0209	Paul Herrnson TuTh 2:00pm - 2:50pm M 4:00pm - 4:50pm	Seats (Total: 25) SHM 2102 JMZ 1122	Discussion

GVPT200 International Political Relations

GVPT200 International Political Relations; (3 credits) Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course.
Prerequisite: GVPT100. A study of the major factors underlying international relations, the methods of conducting foreign relations, the foreign policies of the major powers, and the means of avoiding or alleviating international conflicts.

0101	Bartlomiej Kaminski TuTh 8:00am - 9:15am Th 12:30pm - 1:20pm	Seats (Total: 25) ASY 2203 BPS 1234	Discussion
0102	Bartlomiej Kaminski TuTh 8:00am - 9:15am F 9:00am - 9:50am	Seats (Total: 25) ASY 2203 TYD 1108	Discussion
0103	Bartlomiej Kaminski TuTh 8:00am - 9:15am F 11:00am - 11:50am	Seats (Total: 25) ASY 2203 TYD 1101	Discussion
0104	Bartlomiej Kaminski TuTh 8:00am - 9:15am Th 2:00pm - 2:50pm	Seats (Total: 25) ASY 2203 TYD 1101	Discussion
0105	Bartlomiej Kaminski TuTh 8:00am - 9:15am Th 4:00pm - 4:50pm	Seats (Total: 25) ASY 2203 TYD 1132	Discussion
0106	Bartlomiej Kaminski TuTh 8:00am - 9:15am F 1:00pm - 1:50pm	Seats (Total: 25) ASY 2203 TYD 1101	Discussion

GVPT221 **Introduction to Formal Theories of Political Behavior and Politics**

GVPT221 Introduction to Formal Theories of Political Behavior and Politics; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: GVPT170. An introduction to the theories of rational choice including theories of negotiation and bargaining, elections and voting in democracies, community organizing and the contrast between the roles and performances of government and market.

0101	David Lalman TuTh 11:00am - 12:15pm	Seats (Total: 50) TYD 1118	

0201	Piotr Swistak TuTh 11:00am - 12:15pm	Seats (Total: 40) KEY 0116	

GVPT240 **Political Ideologies**
Contact department for information to register for this course.

GVPT241 **The Study of Political Philosophy: Ancient and Modern**

GVPT241 The Study of Political Philosophy: Ancient and Modern; (3 credits)
Grade Method: REG/P-F/AUD.
Prerequisite: GVPT100. For GVPT majors only. Examines some of the salient continuities and breaks between the ancient and modern traditions in Western political philosophy.

0101	Charles Alford TuTh 3:30pm - 4:20pm F 10:00am - 10:50am	Seats (Total: 25) ASY 2203 TYD 1108	Discussion
0102	Charles Alford TuTh 3:30pm - 4:20pm F 10:00am - 10:50am	Seats (Total: 25) ASY 2203 HBK 1108	Discussion
0103	Charles Alford TuTh 3:30pm - 4:20pm F 10:00am - 10:50am	Seats (Total: 25) ASY 2203 TYD 2102	Discussion
0104	Charles Alford TuTh 3:30pm - 4:20pm F 11:00am - 11:50am	Seats (Total: 25) ASY 2203 TYD 1108	Discussion
0105	Charles Alford TuTh 3:30pm - 4:20pm F 11:00am - 11:50am	Seats (Total: 25) ASY 2203 HJP 1104	Discussion
0106	Charles Alford TuTh 3:30pm - 4:20pm F 11:00am - 11:50am	Seats (Total: 25) ASY 2203 ASY 3203	Discussion

GVPT273 **Introduction to Environmental Politics**

GVPT273 Introduction to Environmental Politics; (3 credits) Grade Method: REG/P-F/AUD.
A comprehensive overview of environmental problems, institutions, policies, practices, and remedies found in present-day world society, with special emphasis on environmental matters as objects of American public policy, both domestic and foreign.

0101	Kenneth Conca TuTh 11:00am - 12:15pm F 10:00am - 10:50am	Seats (Total: 25) TYD 1101 TYD 1132	Discussion
0102	Kenneth Conca TuTh 11:00am - 12:15pm F 11:00am - 11:50am	Seats (Total: 25) TYD 1101 TYD 2102	Discussion
0103	Kenneth Conca TuTh 11:00am - 12:15pm F 12:00pm - 12:50pm	Seats (Total: 25) TYD 1101 TYD 1118	Discussion

GVPT282 **The Government and Politics of the Third World**

GVPT282 The Government and Politics of the Third World; (3 credits) Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course. CORE Diversity (D) Course.
Prerequisite: GVPT100. A study of the governmental institutions, processes and problems, and the socio-economic environment which are common to the great majority of the Third World states of Africa. The Middle East, Asia, and Latin America; and in which internal politics develop.

0101	Dorith Grant-Wisdom TuTh 4:00pm - 5:15pm M 2:00pm - 2:50pm	Seats (Total: 25) LEF 2205 LEF 1220	Discussion
0102	Dorith Grant-Wisdom TuTh 4:00pm - 5:15pm M 1:00pm - 1:50pm	Seats (Total: 25) LEF 2205 TYD 1132	Discussion
0103	Dorith Grant-Wisdom TuTh 4:00pm - 5:15pm M 12:00pm - 12:50pm	Seats (Total: 25) LEF 2205 TYD 1132	Discussion

0104	Dorith Grant-Wisdom TuTh 4:00pm - 5:15pm F 1:00pm - 1:50pm	Seats (Total: 25) LEF 2205 LEF 1220	Discussion
0105	Dorith Grant-Wisdom TuTh 4:00pm - 5:15pm F 12:00pm - 12:50pm	Seats (Total: 25) LEF 2205 LEF 1201	Discussion
0106	Dorith Grant-Wisdom TuTh 4:00pm - 5:15pm F 2:00pm - 2:50pm	Seats (Total: 25) LEF 2205 LEF 1201	Discussion
0107	Dorith Grant-Wisdom TuTh 4:00pm - 5:15pm M 1:00pm - 1:50pm	Seats (Total: 25) LEF 2205 TYD 0102	Discussion
0108	Dorith Grant-Wisdom TuTh 4:00pm - 5:15pm M 12:00pm - 12:50pm	Seats (Total: 25) LEF 2205 LEF 1201	Discussion
0109	Dorith Grant-Wisdom TuTh 4:00pm - 5:15pm F 2:00pm - 2:50pm	Seats (Total: 25) LEF 2205 TYD 2108	Discussion

GVPT289P **Special Topics in Government and Politics; Budapest and Prague**
Contact department for information to register for this course.

GVPT309C **Topics in International Relations; U.S. Foreign Policy Towards Latin American and the Caribbean**

GVPT309C Topics in International Relations: U.S. Foreign Policy Towards Latin American and the Caribbean; (3 credits) Grade Method: REG/P-F/AUD. Prerequisite: GVPT100. GVPT200 is recommended to take this course.

0101	Dorith Grant-Wisdom TuTh 2:00pm - 3:15pm	Seats (Total: 50) TYD 1102

GVPT319B **Topics in Social Advocacy; Mock Trial Indepentent Study**

GVPT319B Topics in Social Advocacy: Mock Trial Indepentent Study; (3 credits) Grade Method: REG/P-F/AUD.

0101	Amir Mohammad Sadeghy W 6:30pm - 9:15pm	Seats (Total: 30) TYD 2110	

GVPT321 **Intermediate Formal Theories of Political Behavior and Politics**

GVPT321 Intermediate Formal Theories of Political Behavior and Politics; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: GVPT221 or permission of department. Analysis of the theory of games, social choice, voting and such notions of social welfare as distributive justice and liberty.

0101	David Lalman TuTh 2:00pm - 3:15pm	Seats (Total: 50) TYD 1118	

GVPT331 **Law and Society**

GVPT331 Law and Society; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: GVPT170 or GVPT171. Not open to students who have completed GVPT231. Credit will be granted for only one of the following: GVPT231 or GVPT331. Formerly GVPT231. A study of the basis of law and its relationship with various contemporary institutions such as the courts, the legal profession, and society at large.

0101	Alan Nemeth MW 2:00pm - 2:50pm F 9:00am - 9:50am	Seats (Total: 25) SHM 2102 TYD 0101	Discussion
0102	Alan Nemeth MW 2:00pm - 2:50pm F 1:00pm - 1:50pm	Seats (Total: 25) SHM 2102 TYD 2108	Discussion
0103	Alan Nemeth MW 2:00pm - 2:50pm Th 2:00pm - 2:50pm	Seats (Total: 25) SHM 2102 KEY 1117	Discussion
0104	Alan Nemeth MW 2:00pm - 2:50pm F 12:00pm - 12:50pm	Seats (Total: 25) SHM 2102 HBK 0123	Discussion

0105	Alan Nemeth MW 2:00pm - 2:50pm Th 3:30pm - 4:20pm	Seats (Total: 25) SHM 2102 KEY 0125	Discussion
0106	Alan Nemeth MW 2:00pm - 2:50pm F 2:00pm - 2:50pm	Seats (Total: 25) SHM 2102 TYD 1114	Discussion
SG91	Jeremy Janow MW 12:30pm - 1:45pm *This section meets at the Shady Grove campus.*	Seats (Total: 50) SG3 3240	

GVPT349 **Topics in Political Philosophy**
Contact department for information to register for this course.

GVPT349Z **Topics in Political Philosophy; Political Thought**
Contact department for information to register for this course.

GVPT356 **Capstone II: International Development and Conflict Management**

GVPT356 Capstone II: International Development and Conflict Management; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: only open to students in IDCM Minor and GVPT355. Recommended: GVPT354. This course serves one-half of the Capstone Course for the Minor in International Development and Conflict Management. It is designed to provide students an introduction to, and a chance to practice with, a core set of practical skills relevant to the fields of international development, humanitarian relief and conflict management. This course must be taken in conjunction with GVPT355.

0101	Daniella Fridl W 3:30pm - 6:15pm	Seats (Total: 40) TYD 2102

GVPT359 **Topics in Comparative Politics**
Contact department for information to register for this course.

GVPT359Z **Topics in Comparative Politics; Parliament, Politics and Policy Making**
Contact department for information to register for this course.

GVPT360 **International Negotiations**

GVPT360 International Negotiations; (3 credits) Grade Method: REG/P-F/AUD. *Recommended: GVPT200. Credit will be granted for only one of the following: GVPT250 or GVPT360. Formerly GVPT250.* A study of tthe complexities of international negotiation and cross-cultural decision-making. Students will apply advanced computer technology in an interactive simulation involving actual negotiations.

0101	Guy Ziv MF 1:00pm - 1:50pm W 1:00pm - 1:50pm	Seats (Total: 25) TYD 2109 TYD 1118	 Discussion
0102	Guy Ziv MF 1:00pm - 1:50pm W 2:00pm - 2:50pm	Seats (Total: 25) TYD 2109 JMZ 0208	 Discussion
0103	Guy Ziv MF 1:00pm - 1:50pm W 3:00pm - 3:50pm	Seats (Total: 25) TYD 2109 JMZ 0208	 Discussion

GVPT376 **Applied Field Research in Government and Politics**

GVPT376 *(PermReq)* **Applied Field Research in Government and Politics; (3-6 credits)** Grade Method: S-F.
Prerequisite: GVPT170. Corequisite: GVPT377. Students in this course participate as interns in an agency of government or in some other appropriate political organization. Assignments are arranged to provide students with insights into both theoretical and practical aspects of politics. Under the tutelage of the host agency and an academic adviser, students conduct a major research project of mutual interest to the student and his or her host agency in the field of government and politics.

0101	Melissa Bell Contact instructor or department for details.	Seats (Total: 15)	

GVPT377 **Seminar For Academic Interns**

GVPT377 *(PermReq)* **Seminar For Academic Interns; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: GVPT170. Corequisite: GVPT376. The application of major concepts of political science to the realities of the political process. Readings and discussion attempt to relate the experiences of the academic interns to appropriate literature on the subject of political decision-making.

0101	Melissa Bell	Seats (Total: 15)
	M 6:30pm - 9:15pm	TYD 1111

GVPT386 **Experiential Learning**

GVPT386 *(PermReq)* **Experiential Learning; (3-6 credits)** Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: permission of department. Junior standing.

Contact department for information to register for this course.

GVPT388 **Topical Investigations**

GVPT388 *(PermReq)* **Topical Investigations; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Permission of Director of Undergraduate Studies required.

Contact department for information to register for this course.

GVPT388I **Topical Investigations; Government and Politics Public Policy Internship Program**

GVPT388I *(PermReq)* **Topical Investigations: Government and Politics Public Policy Internship Program; (1-3 credits)** Grade Method: REG/P-F/AUD.
GVPT majors only and must have departmental permission to register.

0101	Elizabeth Bentley-Smith	Seats (Total: 40)
	Tu 7:00pm - 9:45pm	TYD 1132

GVPT388M **Topical Investigations; Mock Trial Independent Study**

GVPT388M *(PermReq)* **Topical Investigations: Mock Trial Independent Study; (1 credit)** Grade Method: REG/P-F/AUD.

0101	Aisha Henry, Amir Mohammad Sadeghy	Seats (Total: 5)
	Contact instructor or department for details.	

GVPT389 **Experiential Learning II**

GVPT389 *(PermReq)* **Experiential Learning II; (3-6 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Junior standing.

Contact department for information to register for this course.

GVPT396 **Introduction to Honors Research**

GVPT396 *(PermReq)* **Introduction to Honors Research; (3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: admission to and permission of GVPT Honors Program. A required course for all honors students designed to emphasize library research, methodology, and writing skills in political science and political philosophy. A written proposal, bibliography and research design for an honors paper required of all students as a final project.

Contact department for information to register for this course.

GVPT397 **Honors Research**

GVPT397 *(PermReq)* **Honors Research; (3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: GVPT396 and admission to GVPT honors program. Individual reading and research. Preparation of an original paper.

Contact department for information to register for this course.

GVPT399 **Seminar in Government and Politics**
Contact department for information to register for this course.

GVPT399A **Seminar in Government and Politics; Game Theory**

GVPT399A Seminar in Government and Politics: Game Theory; (3 credits) Grade Method: REG/P-F/AUD.

0101	Piotr Swistak Th 3:30pm - 6:15pm	Seats (Total: 40) TYD 1101

GVPT399B **Seminar in Government and Politics; Parliment Politics and Policy Making**
Contact department for information to register for this course.

GVPT399C **Seminar in Government and Politics; Contemporary European Government**
Contact department for information to register for this course.

GVPT399D **Seminar in Government and Politics; Political Concepts and Analysis**
Contact department for information to register for this course.

GVPT399E **Seminar in Government and Politics; Women and Politics**
Contact department for information to register for this course.

GVPT399F **Seminar in Government and Politics; The Israeli-Palestinian Conflict**

GVPT399F Seminar in Government and Politics: The Israeli-Palestinian Conflict; (3 credits) Grade Method: REG/P-F/AUD.

0101	Paul Scham MWF 10:00am - 10:50am	Seats (Total: 40) SKN 0104

GVPT399G **Seminar in Government and Politics; Social Policy, Social Exclusion**
Contact department for information to register for this course.

GVPT399H **Seminar in Government and Politics; What Makes Good Government?**

GVPT399H Seminar in Government and Politics: What Makes Good Government?; (3 credits) Grade Method: REG/P-F/AUD.
Restricted to honors students.

0101	Eric Uslaner Tu 3:30pm - 6:15pm	Seats (Total: 20) TYD 1101

GVPT399I **Seminar in Government and Politics; Globalization**
Contact department for information to register for this course.

GVPT399J **Seminar in Government and Politics; ISRAEL,POLITICS & SOCIETY**

GVPT399J Seminar in Government and Politics: ISRAEL,POLITICS & SOCIETY; (3 credits) Grade Method: REG/P-F/AUD.

0101	Scott Lasensky	Seats (Total: 40)
	Th 4:00pm - 6:30pm	TYD 2109

GVPT399K **Seminar in Government and Politics; Religion in Politics**
Contact department for information to register for this course.

GVPT399L **Seminar in Government and Politics; British Politics**
Contact department for information to register for this course.

GVPT399M **Seminar in Government and Politics; Politics of Development**
Contact department for information to register for this course.

GVPT399N **Seminar in Government and Politics; Marxist Theory and Practice**
Contact department for information to register for this course.

GVPT399O **Seminar in Government and Politics; Security Politics and the Environment**
Contact department for information to register for this course.

GVPT399P **Seminar in Government and Politics; Critical Social Policy**
Contact department for information to register for this course.

GVPT399Q **Seminar in Government and Politics; Race and Ethnic Conflict**
Contact department for information to register for this course.

GVPT399R **Seminar in Government and Politics; Comparative European Governments**
Contact department for information to register for this course.

GVPT399T **Seminar in Government and Politics; Political Conflict**
Contact department for information to register for this course.

GVPT399V **Seminar in Government and Politics; Race and Ethnic Relations**
Contact department for information to register for this course.

GVPT399W **Seminar in Government and Politics; Political Conflict**
Contact department for information to register for this course.

GVPT399X **Seminar in Government and Politics; Post-War British Politics**
Contact department for information to register for this course.

GVPT399Y **Seminar in Government and Politics; Race and Ethnic Relations**
Contact department for information to register for this course.

GVPT399Z **Seminar in Government and Politics; Political Conflict**
Contact department for information to register for this course.

GVPT402 **International Law**

GVPT402 International Law; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: GVPT200. Junior standing. For GVPT majors only. A study of the basic character, general principles and specific rules of international law, with emphasis on recent and contemporary trends in the field and its relation to other aspects of international affairs.

0101	Marcus Franda	Seats (Total: 30)
	W 3:30pm - 6:15pm	TYD 2108

GVPT405 **Defense Policy and Arms Control**

GVPT405 Defense Policy and Arms Control; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: GVPT200. For GVPT majors only. Contemporary issues of military strategy and international security are covered, including: nuclear war, conventional (limited war), guerrilla insurgency, arms control, disarmament, moderation of war, defense policy processes, and defense economics.

0101	George Quester	Seats (Total: 30)
	TuTh 12:30pm - 1:45pm	TYD 2108

GVPT407 **International Political Economy**

GVPT407 International Political Economy; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: GVPT200. Junior standing. For GVPT majors only. Introduces the field of international political economy, which analyzes the ways in which economic and political changes produce both economic and political reactions.

0101	Soo Yeon Kim MW 2:00pm - 3:15pm	Seats (Total: 30) SQH 1103

GVPT409 **Seminar in International Relations and World Politics**
Contact department for information to register for this course.

GVPT409C **Seminar in International Relations and World Politics; Middle East Politics**

GVPT409C Seminar in International Relations and World Politics: Middle East Politics; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: GVPT200. Restricted to undergraduate GVPT majors only. All other majors placed on hold-file.

0101	Shibley Telhami M 2:00pm - 4:45pm	Seats (Total: 31) TLF 1101

GVPT409D **Seminar in International Relations and World Politics; International Security**

GVPT409D Seminar in International Relations and World Politics: International Security; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: GVPT200. Restricted to undergraduate GVPT majors only. All other majors placed on hold-file.

0101	Sarah Croco TuTh 11:00am - 12:15pm	Seats (Total: 30) TYD 2108

GVPT409F **Seminar in International Relations and World Politics; Conflict and Crisis**

GVPT409F Seminar in International Relations and World Politics: Conflict and Crisis; (3 credits) Grade Method: REG/P-F/AUD.
Restricted to GVPT majors only. Prerequisite: GVPT200.

0101	Jonathan Wilkenfeld W 3:00pm - 5:45pm	Seats (Total: 25) TYD 0139

GVPT409G **Seminar in International Relations and World Politics; East Asia**

GVPT409G Seminar in International Relations and World Politics: East Asia; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: GVPT200. Restricted to GVPT Majors Only. All other majors placed on holdfile.

0101	Scott Kastner TuTh 12:30pm - 1:45pm	Seats (Total: 31) TYD 1132

GVPT409I **Seminar in International Relations and World Politics; Globalization and Governnance of the Asia Pacific**

GVPT409I Seminar in International Relations and World Politics: Globalization and Governnance of the Asia Pacific; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: GVPT200. Restricted to GVPT Majors Only. All other majors placed on holdfile.

0101	Soo Yeon Kim TuTh 12:30pm - 1:45pm	Seats (Total: 31) TYD 2102

GVPT409V **Seminar in International Relations and World Politics; Sectarianism in the Middle East**

GVPT409V Seminar in International Relations and World Politics: Sectarianism in the Middle East; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: GVPT200. Restricted to GVPT Majors only. All other majors placed on holdfile.

0101	Daniel Corstange TuTh 3:30pm - 4:45pm	Seats (Total: 30) TYD 0102

GVPT409Z **Seminar in International Relations and World Politics; International Relations: Theory and Institutions**
Contact department for information to register for this course.

GVPT419H **Seminar in Public Policy; The Public Policy Process in the United States**

GVPT419H Seminar in Public Policy: The Public Policy Process in the United States; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: GVPT170 and GVPT241. Restricted to GVPT Majors and Honor S tudents Only.

0101	Frances Lee TuTh 12:30pm - 1:45pm	Seats (Total: 20) TYD 1108

GVPT422 **Quantitative Political Analysis**

GVPT422 Quantitative Political Analysis; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: GVPT170 and GVPT241. Recommended: GVPT220. For GVPT majors only. Credit will be granted for only one of the following: BIOM301, BMGT230, ECON321, EDMS451, GEOG305, GVPT422, PSYC200, or SOCY201. Introduction to quantitative methods of data analysis, including selected statistical methods, block analysis, content analysis, and scale construction.

0101	Antoine Banks TuTh 11:00am - 12:15pm	Seats (Total: 30) TYD 2102

GVPT423 **Elections and Electoral Behavior**

GVPT423 Elections and Electoral Behavior; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: GVPT170 and GVPT241. For GVPT majors only. An examination of various topics relating to elections; the focus includes the legal structure under which elections are conducted, the selection and nomination process, the conduct of election campaigns, and patterns of political participation and voting choice in different types of elections. Restricted to undergraduate GVPT majors only. All other majors placed o n hold-file.

0101	Eric Uslaner TuTh 12:30pm - 1:45pm	Seats (Total: 31) TYD 1118
0201	James Gimpel W 3:30pm - 6:15pm	Seats (Total: 25) TYD 2106

GVPT424 **Topics in Formal Theories of Political Behavior and Politics**

GVPT424 Topics in Formal Theories of Political Behavior and Politics; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: GVPT221 and GVPT241. For GVPT majors only. The focus of this course will vary both by its theoretical core and its applications. The theories are likely to be those of games, social choice, and voting. The applications will usually be to problems of distributive and social justice, community organizing, responsive public policy, institutional design, alliance and coalition formation, etc. Some of the topics will involve research projects. Restricted to undergraduate GVPT majors only. All other majors placed o n hold-file.

0101	David Lalman Tu 6:30pm - 9:15pm	Seats (Total: 30) TYD 1108	

GVPT427 **Political Sociology**
Contact department for information to register for this course.

GVPT432 **Civil Rights and the Constitution**

GVPT432 Civil Rights and the Constitution; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: GVPT241 and GVPT331. For GVPT majors only. A study of civil rights in the American constitutional context, emphasizing freedom of religion, freedom of expression, minority discrimination, and the rights of defendants. Restricted to undergraduate GVPT majors only. All other majors placed o n hold-file.

0101	Mark Graber MW 9:00am - 9:50am F 1:00pm - 1:50pm	Seats (Total: 25) JMZ 0220 TYD 1118	 Discussion
0102	Mark Graber MW 9:00am - 9:50am F 12:00pm - 12:50pm	Seats (Total: 25) JMZ 0220 TYD 1114	 Discussion
0103	Mark Graber MW 9:00am - 9:50am F 2:00pm - 2:50pm	Seats (Total: 25) JMZ 0220 TYD 1118	 Discussion

GVPT439D **Seminar in Public Law; The Death Penalty**

GVPT439D Seminar in Public Law: The Death Penalty; (3 credits) Grade Method: REG/P-F/AUD.

0101	Deborah Fleischaker Th 3:30pm - 6:15pm	Seats (Total: 30) TYD 2106

GVPT443 **Contemporary Political Theory**

GVPT443 Contemporary Political Theory; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: GVPT241. For GVPT majors only. A survey of the principal political theories and ideologies set forth in the works of writers from Karl Marx to the present. Restricted to undergraduate GVPT majors only. All other majors placed o n hold-file.

0101	James Glass MW 2:00pm - 3:15pm	Seats (Total: 31) TYD 2109

GVPT457 **American Foreign Relations**

GVPT457 American Foreign Relations; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: GVPT200. Junior standing. For GVPT majors only. The principles and machinery of the conduct of American foreign relations, with emphasis on the Departments of State and Defense, and an analysis of the major foreign policies of the United States.

0101	George Quester TuTh 9:30am - 10:45am	Seats (Total: 30) TYD 2106

GVPT459A **Seminar in Comparative Politics; Ownership, Control, Democracy and Power**

GVPT459A Seminar in Comparative Politics: Ownership, Control, Democracy and Power; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: GVPT241 Restricted to undergraduate GVPT majora only. All other majors placed on hold-file.

0101	Gar Alperovitz Th 2:00pm - 4:45pm	Seats (Total: 30) JMZ 2122

GVPT459H **Seminar in Comparative Politics; Globalization and Economic Gvoernance**

GVPT459H Seminar in Comparative Politics: Globalization and Economic Gvoernance; (3 credits) Grade Method: REG/P-F/AUD.
Prequisite: GVPT200.Recommended GVPT280 and 282. Restricted to GVPT Majo ors and Honor Students Only.

0101	Bartlomiej Kaminski TuTh 9:30am - 10:45am	Seats (Total: 20) TYD 1132	

GVPT473 **Legislatures and Legislation**

GVPT473 Legislatures and Legislation; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: GVPT170 and GVPT241. Junior standing. For GVPT majors only. A detailed survey of lawmaking and the legislative process, emphasizing the U.S. Congress and its members. Restricted to undergraduate GVPT majors only. All other majors placed o n hold-file.

0101	Frances Lee TuTh 11:00am - 11:50am F 12:00pm - 12:50pm	Seats (Total: 25) TYD 1102 TYD 2110	 Discussion
0102	Frances Lee TuTh 11:00am - 11:50am F 1:00pm - 1:50pm	Seats (Total: 25) TYD 1102 TYD 2102	 Discussion
0103	Frances Lee TuTh 11:00am - 11:50am F 2:00pm - 2:50pm	Seats (Total: 25) TYD 1102 TYD 2102	 Discussion

GVPT475 **The Presidency and the Executive Branch**
Contact department for information to register for this course.

GVPT479B **Seminar in American Politics; Race, Ethnicity & Politics in the United States**

GVPT479B Seminar in American Politics: Race, Ethnicity & Politics in the United States; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: GVPT170 and GVPT241. Restrcited to GVPT Majors only. All other majors placed on holdfile.

0101	Brian McKenzie MW 3:30pm - 4:45pm	Seats (Total: 30) TYD 1101	

GVPT479H **Seminar in American Politics; Minority Politics**

GVPT479H Seminar in American Politics: Minority Politics; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: GVPT170 and GVPT241. Restricted to GVPT Majors and Honor S tudents only.

0101	Stella Rouse	Seats (Total: 20)
	TuTh 11:00am - 12:15pm	PLS 1115

GVPT485 **Government and Politics of the Middle East**
Contact department for information to register for this course.

GVPT487 **Government and Politics of China**

GVPT487 Government and Politics of China; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: GVPT200. Recommended: GVPT280 or GVPT282. Junior standing. For GVPT majors only. Credit will be granted for only one of the following: GVPT359A or GVPT487. Formerly GVPT359A. Discussion of major issues in the study of the domestic politics of the People's Republic of China.

0101	Margaret Pearson	Seats (Total: 31)
	TuTh 9:30am - 10:45am	TYD 1101

GVPT722 **Advanced Quantitative Methods For Political Science**

GVPT722 Advanced Quantitative Methods For Political Science; (3 credits) Grade Method: REG/AUD.
Prerequisite: GVPT 622 or permission of instructor. Introduction to multivariate analysis. Elementary matrix algebra, multiple linear and curvilinear correlation and regression, analysis of variance, canonical correlation and regression, discriminant analysis, and several types of factor analysis.

0101	Michael Hanmer	Seats (Total: 12)
	Th 4:00pm - 6:45pm	LEF 0229

GVPT729A **Special Topics in Quantitative Political Analysis; Advanced MLE**

GVPT729A Special Topics in Quantitative Political Analysis: Advanced MLE; (3 credits) Grade Method: REG/AUD.

0101	Michael Hanmer Th 9:30am - 12:15pm	Seats (Total: 12) LEF 0229

GVPT741 **Ancient and Medieval Political Philosophy**

GVPT741 Ancient and Medieval Political Philosophy; (3 credits) Grade Method: REG/AUD.
Prerequisite: permission of department. Major writings from the tradition of ancient and medieval political philosophy are studied. The goal is to identify and critically analyze the perennial or persistent questions about political life posed by philosophers in divers times and places.

0101	Charles Alford Tu 6:30pm - 9:15pm	Seats (Total: 12) TYD 1111

GVPT742 **Modern Political Theory**

GVPT742 Modern Political Theory; (3 credits) Grade Method: REG/AUD.
Prerequisite: permission of department. Recommended: GVPT 741. The influence of the Enlightenment on political thought, beginning with Machiavelli and ending around the time of Mill and Marx, in which the Enlightenment worked itself out in the hopes and fears of these and other authors.

0101	James Glass M 3:30pm - 6:15pm	Seats (Total: 12) TYD 1136

GVPT761 **International Political Economy**

GVPT761 International Political Economy; (3 credits) Grade Method: REG/AUD.
Recommended: GVPT 708. Major issues in international political economy including such matters as the monetary system, trade, debt, and development.

0101	Scott Kastner W 12:30pm - 3:15pm	Seats (Total: 12) TYD 1111

GVPT771 **Seminar in American Political Behavior**

GVPT771 Seminar in American Political Behavior; (3 credits) Grade Method: REG/AUD.
This is the core seminar in American political behavior. The course will deal with prominent theoretical and empirical issues in the areas of voting, public opinion, political participation and other aspects of political behavior in the American context.

0101	Geoffrey Layman	Seats (Total: 12)
	M 3:30pm - 6:15pm	TYD 1111

GVPT780 **Seminar in the Comparative Study of Politics**

GVPT780 *(PermReq)* **Seminar in the Comparative Study of Politics; (3 credits)** Grade Method: REG/AUD.
An examination of the salient approaches to and conceptual frameworks for the comparative study of politics, followed by the construction of models and typologies of political systems.

0101	Mark Lichbach	Seats (Total: 12)
	Th 9:30am - 12:15pm	TYD 1111

GVPT799 **Master's Thesis Research**

GVPT799 Master's Thesis Research; (1-6 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

GVPT808B **Selected Topics in Functional Problems in International Relations; Conflict and World Politics**

GVPT808B Selected Topics in Functional Problems in International Relations: Conflict and World Politics; (3 credits) Grade Method: REG/AUD.

0101	Paul Huth	Seats (Total: 12)
	Tu 12:30pm - 3:15pm	TYD 1111

GVPT808D **Selected Topics in Functional Problems in International Relations; International Relations and Environmental Politics**

GVPT808D Selected Topics in Functional Problems in International Relations: International Relations and Environmental Politics; (3 credits) Grade Method: REG/AUD.

0101	Kenneth Conca Tu 3:30pm - 6:15pm	Seats (Total: 12) TYD 1111

GVPT846 **Theories of Democracy**

GVPT846 Theories of Democracy; (3 credits) Grade Method: REG/AUD. *Prerequisite: GVPT 442.* A survey and analysis of the leading theories of democratic government, with attention to such topics as freedom, equality, representation, dissent, and critics of democracy.

0101	Ian Ward W 12:30pm - 3:15pm	Seats (Total: 12) TYD 1136

GVPT849 **Readings in Government and Politics**

GVPT849 *(PermReq)* **Readings in Government and Politics; (3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

GVPT859A **Selected Topics in Public Policy; American Public Policy**

GVPT859A Selected Topics in Public Policy: American Public Policy; (3 credits) Grade Method: REG/AUD.

0101	Irwin Morris Th 12:30pm - 3:15pm	Seats (Total: 12) TYD 1111

GVPT859B **Selected Topics in Public Policy; Proseminar in Politics, Philosophy, and Public Policy**

GVPT859B Selected Topics in Public Policy: Proseminar in Politics, Philosophy, and Public Policy; (3 credits) Grade Method: REG/AUD.
Also offered as PHIL688W and PUAF698J.

0101	Karol Soltan, Christopher Morris Tu 12:30pm - 3:15pm	Seats (Total: 15) TYD 1136

GVPT875 **Seminar in Judicial Policy Development**

GVPT875 Seminar in Judicial Policy Development; (3 credits) Grade Method: REG/AUD.

The role of courts in policy development, the extent and limitations of judicial power, the division of labor among courts in creating policy, and the politics of litigation.

0101	Wayne McIntosh	Seats (Total: 12)
	M 12:30pm - 3:15pm	TYD 1136

GVPT889A **Selected Topics in Area Problems in International Relations; International Relations of the Middle East**

GVPT889A Selected Topics in Area Problems in International Relations: International Relations of the Middle East; (3 credits) Grade Method: REG/AUD.

0101	Shibley Telhami	Seats (Total: 12)
	M 6:30pm - 9:15pm	TYD 1136

GVPT898 **Pre-Candidacy Research**

GVPT898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

GVPT899 **Doctoral Dissertation Research**

GVPT899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HEBR Hebrew Spring 2009

HEBR112 **Elementary Hebrew II**

For other courses, see JWST - Jewish Studies. Students who have no knowledge of Hebrew should register for HEBR 111 which will be offered in the fall. Students who have studied Hebrew elsewhere are required to contact Mrs. Levy.

HEBR112 Elementary Hebrew II; (6 credits) Grade Method: REG/P-F/AUD. *Prerequisite: HEBR111 or equivalent. Not open to students who have completed HEBR103 and HEBR104. Credit will be granted for only one of the following: HEBR103 and HEBR104; or HEBR112.* Continuation of HEBR 111.

0101	Nili Levy MWF 9:00am - 10:50am	Seats (Total: 15) JMZ 1120
0201	Avital Feuer MWF 10:00am - 10:50am TuTh 9:30am - 10:45am	Seats (Total: 15) JMZ 1226 JMZ 1120
0301	Avital Feuer MWF 11:00am - 11:50am TuTh 11:00am - 12:15pm	Seats (Total: 15) JMZ 2125 HZF 0135

HEBR212 **Intermediate Hebrew II**

HEBR212 Intermediate Hebrew II; (6 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course.

Prerequisite: HEBR211 or permission of department. Not open to students who have completed HEBR203 and HEBR204. Credit will be granted for only one of the following: HEBR203 and HEBR204; or HEBR212. Continuation of HEBR211.

0101	Nili Levy MWF 11:00am - 12:50pm	Seats (Total: 15) JMZ 1120
0201	Tamar Pelleg MWF 10:00am - 11:50am	Seats (Total: 15) ARM 0102

HEBR314 **Conversation and Composition II**

HEBR314 Conversation and Composition II; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: HEBR313 or equivalent. A practical language course recommended for all students continuing with Hebrew. Review of grammar and composition. Selected readings. Oral and written exercises.

0101	Einat Gonen TuTh 11:00am - 12:15pm	Seats (Total: 15) JMZ 1120
0201	Einat Gonen TuTh 12:30pm - 1:45pm	Seats (Total: 15) JMZ 1120

HEBR382 **Israeli Media**

HEBR382 Israeli Media; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: HEBR314 or permission of instructor. Also offered as JWST382. Credit will be granted for only one of the following: HEBR382 or JWST382. Examination of traditional and new media genres in Israel today. Focus on the self-representation of Israeli society and the interaction between media, society, and culture. Taught in Hebrew. Also offered as JWST319R.

0101	Avital Feuer TuTh 2:00pm - 3:15pm	Seats (Total: 20) JRN 1104

HEBR386 **Experiential Learning**

HEBR386 Experiential Learning; (3-6 credits) Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: Learning Proposal approved by the Office of Experiential Learning Programs, faculty sponsor, and student's internship sponsor. Junior standing.

Contact department for information to register for this course.

HEBR499 **Independent Study in Hebrew**

HEBR499 Independent Study in Hebrew; (1-3 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HESP Hearing and Speech Sciences Spring 2009

HESP120 **Introduction to Linguistics**

HESP120 Introduction to Linguistics; (3 credits) Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course.
An introduction to the scientific study of natural language with focus on the basic concepts of phonology, syntax, semantics and pragmatics, with subsequent attention to the applied aspects of linguistic principles.

0101	Tess Wood TuTh 12:30pm - 1:45pm	Seats (Total: 40) TYD 0102
0201	Tess Wood TuTh 11:00am - 12:15pm	Seats (Total: 35) SQH 1105

HESP202 **Introduction to Hearing and Speech Sciences**

HESP202 Introduction to Hearing and Speech Sciences; (3 credits) Grade Method: REG/P-F/AUD.
An introduction to communication sciences and disorders; a survey of the bases of normal speech, language and hearing ability, major forms of communicative disorders and their treatment.

0101	Kathleen Skinker TuTh 9:30am - 10:45am	Seats (Total: 99) SQH 1120

HESP300 **Introduction to Psycholinguistics**

HESP300 Introduction to Psycholinguistics; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: HESP202 with a grade of "C" or better, or permission of department. Recommended: HESP120 or LING200. An introduction to current theories of language and an investigation of their relationship to human communication behavior. Survey of the experimental literature relating to this question.

0101	Nan Ratner MW 2:00pm - 3:15pm	Seats (Total: 55) LEF 2208

HESP305 **Anatomy and Physiology of the Speech Mechanism**

HESP305 Anatomy and Physiology of the Speech Mechanism; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: HESP202 with a grade of "C" or better, or permission of department.
Anatomy, physiology, and neurology of speech mechanism.

0101	Wei Tian	Seats (Total: 50)
	MW 9:30am - 10:45am	WDS 1114

HESP311 **Anatomy, Pathology and Physiology of the Auditory System**

HESP311 Anatomy, Pathology and Physiology of the Auditory System; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: HESP202 with a grade of "C" or better, or permission of department.
Gross anatomy of the ear and pathways for transmission of sound energy through the peripheral and central auditory system. Causes, development and effects of pathological conditions contributing to temporary or chronic hearing impairments.

0101	Sandra Gordon-Salant	Seats (Total: 55)
	TuTh 2:00pm - 3:15pm	LEF 2208

HESP386 **Experiential Learning**

HESP386 *(PermReq)* **Experiential Learning; (3-6 credits)** Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: permission of department. Junior standing.

Contact department for information to register for this course.

HESP388 **Undergraduate Research Externship**

HESP388 Undergraduate Research Externship; (1-3 credits) Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HESP400 **Speech and Language Development in Children**

HESP400 Speech and Language Development in Children; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: HESP300 with a grade of "C" (2.0) or better, or permission of department. Recommended: HESP120 or LING200. For HESP majors or by permission of department. Analysis of the normal processes of speech and language development in children.

0101	Maria Dixon	Seats (Total: 50)
	TuTh 9:30am - 10:45am	LEF 2208

HESP402 **Speech Pathology I**

HESP402 Speech Pathology I; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: HESP400 with a grade of "C" or better, or permission of department. Etiology, assessment and treatment of language and phonological disorders in children.

0101	Dianne Handy	Seats (Total: 50)
	TuTh 12:30pm - 1:45pm	TYD 0117

HESP403 **Introduction to Phonetic Science**

HESP403 Introduction to Phonetic Science; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: HESP305 with a grade of "C" (2.0) or better, or permission of department. For HESP majors or by permission of department. An introduction to physiological, acoustic and perceptual phonetics; broad and narrow phonetic transcription; current models of speech production and perception.

0101	Matthew Winn	Seats (Total: 46)
	Tu 4:30pm - 7:00pm	TYD 1132

HESP404 **Speech Pathology II**

HESP404 Speech Pathology II; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: permission of department. Etiology, assessment and therapeutic management of phonation, resonance, and fluency disorders in children and adults.

0101	Vivian Sisskin, Wei Tian TuTh 11:00am - 12:15pm	Seats (Total: 30) LEF 2208

HESP407 **Bases of Hearing Science**

HESP407 Bases of Hearing Science; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: HESP311 with a grade of "C" (2.0) or better or permission of department. For HESP majors only or by permission of department.* Fundamentals of hearing, including the physics of sound, anatomy and physiology of peripheral and central auditory nervous system, psychophysical procedures used in measurement of auditory sensation and perception, and topics in psychological acoustics.

0101	Monita Chatterjee MW 3:45pm - 5:00pm	Seats (Total: 50) SKN 0104

HESP411 **Introduction to Audiology**

HESP411 Introduction to Audiology; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: HESP311 with a grade of "C" (2.0) or better, or permission of department. For HESP majors or permission of department.* An introduction to the field of audiology. Evaluation and remediation of hearing handicaps.

0101	Tracy Fitzgerald TuTh 11:00am - 12:15pm	Seats (Total: 46) MMH 3418

HESP418A **Clinical Practice in Speech-Language Pathology and Audiology; Audiology Option**

HESP418A *(PermReq)* **Clinical Practice in Speech-Language Pathology and Audiology: Audiology Option; (3 credits)** Grade Method: REG/P-F/AUD.
For majors only.

0101	Sharon Palmer W 12:00pm - 12:50pm Contact instructor or department for details.	Seats (Total: 10) LEF 0111D

HESP418B **Clinical Practice in Speech-Language Pathology and Audiology; Speech Pathology Option**

HESP418B *(PermReq)* **Clinical Practice in Speech-Language Pathology and Audiology: Speech Pathology Option; (3 credits)** Grade Method: REG/P-F/AUD. For majors only.

0101	Vivian Sisskin	Seats (Total: 10)
	Contact instructor or department for details.	
	Contact instructor or department for details.	

HESP422 **Neurological Bases of Human Communication**

HESP422 *(PermReq)* **Neurological Bases of Human Communication; (3 credits)** Grade Method: REG.
Prerequisite: HESP305 or permission of instructor. Credit will be granted for only one of the following: HESP498 or HESP422. Basic neurology as it pertains to anatomy and physiology substrates of speech and language. Also offered as HESP602 and NACS728K.

0101	Yasmeen Shah	Seats (Total: 35)
	Tu 1:00pm - 3:30pm	SKN 0104

HESP499 **Independent Study; Topics in the Hearing and Speech Sciences**

HESP499 *(PermReq)* **Independent Study: Topics in the Hearing and Speech Sciences; (1-3 credits)** Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HESP602 **Neurological Bases of Human Communication**

HESP602 *(PermReq)* **Neurological Bases of Human Communication; (3 credits)** Grade Method: REG/AUD.
Prerequisite: permission of department. Basic neurology as it pertains to anatomical and physiological substrates of speech and language. Also offered as HESP422 and NACS728K.

0101	Yasmeen Shah	Seats (Total: 35)
	Tu 1:00pm - 3:30pm	SKN 0104

HESP610 **Aphasia**

HESP610 Aphasia; (3 credits) Grade Method: REG/AUD.
Language problems of adults associated with brain injury.

0101	Yasmeen Shah Tu 9:30am - 12:00pm	Seats (Total: 30) LEF 0135

HESP614 **Orofacial Anomalies**

HESP614 Orofacial Anomalies; (3 credits) Grade Method: REG/AUD.
Prerequisite: For students seeking masters degree in Speech Language and permission of department; or permission of instructor. Communication disorders related to congenital orofacial anomalies with an emphasis on cleft lip and palate. Principles, methods and procedures for clinical management.

0101	Wei Tian W 5:00pm - 7:30pm	Seats (Total: 20) LEF 0135

HESP620 **Phonological and Articulatory Disorders**

HESP620 Phonological and Articulatory Disorders; (3 credits) Grade Method: REG/AUD.
Assessment and treatement of disorders at the phonological and articulatory levels of language and speech.

0101	Colleen Worthington Th 9:30am - 12:00pm	Seats (Total: 25) LEF 0135

HESP626 **Language and Learning Disabilities**

HESP626 Language and Learning Disabilities; (3 credits) Grade Method: REG/AUD.
Etiology, assessment and treatment of communication problems in children with learning disabilities.

0101	Froma Roth M 9:30am - 12:00pm	Seats (Total: 15) LEF 0135

HESP632 **Medical Audiology**

HESP632 Medical Audiology; (3 credits) Grade Method: REG/AUD. *Prerequisite: HESP 311. Corequisite: HESP 606.* Overview of auditory pathologies, and their assessment and management in the medical setting.

0101	Carmen Brewer	Seats (Total: 15)
	M 5:00pm - 8:00pm	LEF 0135

HESP638 **Research Practicum**

HESP638 *(PermReq)* **Research Practicum; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HESP648A **Clinical Practice in Speech; Diagnostic Procedures**

HESP648A *(PermReq)* **Clinical Practice in Speech: Diagnostic Procedures; (1 credit)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HESP648B **Clinical Practice in Speech; Therapeutic Procedures**

HESP648B *(PermReq)* **Clinical Practice in Speech: Therapeutic Procedures; (1-2 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HESP649A **Clinical Practice in Audiology; Diagnostic Audiology**

HESP649A *(PermReq)* **Clinical Practice in Audiology: Diagnostic Audiology; (1-2 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HESP649B **Clinical Practice in Audiology; Aural Rehabilitation**

HESP649B *(PermReq)* **Clinical Practice in Audiology: Aural Rehabilitation; (1-2 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HESP701 **Hearing Aids II**

HESP701 Hearing Aids II; (3 credits) Grade Method: REG.
Prerequisite: For students seeking doctoral degree in Audiology, HESP700, and permission of department; or permission of instructor. For HESP majors only. Advanced issues in amplification technology, prescriptive hearing aid selection, and management of amplification systems for special populations.

0101	LaGuinn Sherlock	Seats (Total: 10)
	Tu 5:30pm - 8:00pm	LEF 0135

HESP706 **Advanced Clinical Audiology**

HESP706 Advanced Clinical Audiology; (3 credits) Grade Method: REG/AUD.
Prerequisite: HESP 606 or equivalent. Advanced clinical and experimental methods of evaluating the peripheral and central auditory system using acoustic stimuli. Procedural considerations and interpretation of test results.

0101	Tracy Fitzgerald	Seats (Total: 20)
	F 1:00pm - 3:30pm	LEF 0135

HESP708 **Independent Study**

HESP708 *(PermReq)* **Independent Study; (1-6 credits)** Grade Method: REG/AUD.
Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HESP724 **Research Design**

HESP724 Research Design; (3 credits) Grade Method: REG/AUD.
Prerequisite: a course in basic statistics. Evaluations of research designs, critique of published articles and student involvement in designing experiments on assigned topics.

0101	Rochelle Newman	Seats (Total: 10)
	M 1:00pm - 3:30pm	LEF 0135

HESP728 **Advanced Clinical Practice in Speech; Advanced Graduate Laboratory Practicum in Speech-Language Pathology**

HESP728 *(PermReq)* **Advanced Clinical Practice in Speech: Advanced Graduate Laboratory Practicum in Speech-Language Pathology; (1-8 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HESP729 **Advanced Clinical Practice in Audiology; Advanced Graduate Laboratory Practicum in Audiology**

HESP729 *(PermReq)* **Advanced Clinical Practice in Audiology: Advanced Graduate Laboratory Practicum in Audiology; (1-8 credits)** Grade Method: REG.

1301	Margaret McCabe	Seats (Total: 10)
	TBA	LEF 0135
	Contact instructor or department for details.	

HESP730 **Vestibular-ocular Assessment and Management (Electrophysiologic Measures II)**

HESP730 Vestibular-ocular Assessment and Management (Electrophysiologic Measures II); (3 credits) Grade Method: REG.
Prerequisite: HESP 630. Advanced principles and methods of evaluating vestibular-ocular function using electrophysiologic measures. Includes rehabilitative issues pertaining to balance disorders and advanced electrophysiologic measures of auditory system function.

0101	Christopher Zalewski	Seats (Total: 15)
	Th 5:30pm - 8:00pm	LEF 0135

HESP788 **Graduate Research Externship**

HESP788 Graduate Research Externship; (1-3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HESP799 **Master's Thesis Research**

HESP799 Master's Thesis Research; (1-6 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HESP818 **Seminar in Language Processing**

HESP818 *(PermReq)* **Seminar in Language Processing; (3 credits)** Grade Method: REG.

0101	Nan Ratner	Seats (Total: 2)
	Contact instructor or department for details.	

HESP829 **Clinical Internship Residency**

HESP829 Clinical Internship Residency; (1-9 credits) Grade Method: REG/AUD.

1301	Margaret McCabe	Seats (Total: 30)
	Contact instructor or department for details.	

HESP849 **Capstone Research Project I**

HESP849 Capstone Research Project I; (2 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HESP859 **Capstone Research Project II**

HESP859 Capstone Research Project II; (2 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HESP878 **Seminar in Language Disorders**

HESP878 Seminar in Language Disorders; (3 credits) Grade Method: REG/AUD.

1601	Nan Ratner	Seats (Total: 10)
	Contact instructor or department for details.	

HESP889 **Doctoral Candidacy Research**

HESP889 Doctoral Candidacy Research; (1-3 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HESP898 **Pre-Candidacy Research**

HESP898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HESP899 **Doctoral Dissertation Research**

HESP899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HISP Historic Preservation Spring 2009

HISP619M **Special Topics in Historic Preservation; Case Studies in Adaptive Reuse**

HISP619M Special Topics in Historic Preservation: Case Studies in Adaptive Reuse; (3 credits) Grade Method: REG/AUD.

0101	Brooke Wortham-Galvin, Mary Konsoulis	Seats (Total: 15)
	M 7:00pm - 9:40pm	ARC 1125

HISP629 **Independent Studies in Historic Preservation**

HISP629 *(PermReq)* **Independent Studies in Historic Preservation; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HISP630 **Preservation Policy and Planning**

HISP630 *(PermReq)* **Preservation Policy and Planning; (3 credits)** Grade Method: REG/AUD.
Prerequisite: permission of department. Credit will be granted for only one of the following: HISP619M or HISP630. Formerly HISP619M. An opportunity is provided to look in depth at the national historic preservation program that is the federal, tribal, state, and local (city and county) public sector preservation activities being undertaken in accordance with public policy set by laws, regulations, standards, and guidelines.

0101	Constance Ramirez Tu 7:00pm - 9:45pm	Seats (Total: 15) ARC 1121

HISP640 **Historic Preservation Law, Advocacy and Public Policy**

HISP640 *(PermReq)* **Historic Preservation Law, Advocacy and Public Policy; (3 credits)** Grade Method: REG/AUD.
Prerequisite: permission of department. Credit will be granted for only one of the following: HISP619C or HISP 640. Formerly HISP619C. Introduce students to legal, advocacy, and public policy issues in the field of historic preservation. Student activities will be designed to teach basic working knowledge of relevant legal subjects, including historic preservation ordinances, state and federal preservation statutes, and important constitutional issues.

0101	Thompson Mayes Th 7:00pm - 9:45pm	Seats (Total: 15) ARC 1105

HISP655 **American Vernacular Architecture**

HISP655 American Vernacular Architecture; (3 credits) Grade Method: REG/AUD.
Prerequisite: permission of department. Credit will be granted for only one of the following: HISP655 or HISP619V. Formerly HISP619V. History, theory, and practice of American vernacular architecture including a review of common building technologies, structure, and style, and focusing on methods and approaches for recording, documenting and analyzing these historic resources.

0101	Donald Linebaugh W 4:00pm - 6:40pm	Seats (Total: 15) ASY 3217

HISP660 **Internship in Historic Preservation**

HISP660 *(PermReq)* **Internship in Historic Preservation; (3 credits)** Grade Method: REG/AUD.
Prerequisite: permission of department. Formerly HISP619. Students will secure a summer internship with an organization engaged in historic preservation work (this can be a public agency, nonprofit, or private firm). The students will formulate a plan of work and a series of pedagogical goals to satisfy both the practical needs of the project and the academic requirements for the course.

0101	Donald Linebaugh	Seats (Total: 15)
	Contact instructor or department for details.	

HISP700 **Final Seminar in Historic Preservation**

HISP700 *(PermReq)* **Final Seminar in Historic Preservation; (3 credits)** Grade Method: REG/AUD.
Prerequisite: permission of department. An independent, applied research project investigating the preservation of a particular site or a specialized issue in historic preservation. Several group seminars during the semester to discuss project development and research strategies are included.

0101	Donald Linebaugh	Seats (Total: 15)
	W 7:00pm - 9:40pm	ARC 1127

HISP701 **Certificate Portfolio Project**

HISP701 Certificate Portfolio Project; (1 credit) Grade Method: REG/AUD.
Prerequisite: permission of department. Recommended: HISP600, HISP610, and HISP640. Students will gather samples of their work and craft a synthetic statement on their experiences in their HISP certificate courses (for example, picking up on themes such as community involvement, diversity of practice, affordable housing, or sustainability), and the ways in which they have integrated historic preservation into their thinking and practice in their home discipline.

0101	Donald Linebaugh	Seats (Total: 5)
	Contact instructor or department for details.	

HIST History Spring 2009

HIST106 **American Jewish Experience**

HIST106 American Jewish Experience; (3 credits) Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course.
Also offered as JWST141. Credit will be granted for only one of the following: HIST106 or JWST141. History of the Jews in America from colonial times to the present. Emphasis on the waves of migration from Germany and Eastern Europe; the changing nature of the American Jewish community and its participation in American social, economic and political life. Also offered as JWST141.

0101	Eliyana Adler TuTh 9:30am - 10:45am	Seats (Total: 40) HZF 0101	

HIST110 **The Ancient World**

HIST110 The Ancient World; (3 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course.
Interpretation of select literature and art of the ancient Mediterranean world with a view to illuminating the antecedents of modern culture; religion and myth in the ancient near East; Greek philosophical, scientific, and literary invention; and the Roman tradition in politics and administration.

0101	Kenneth Holum MW 11:00am - 11:50am W 9:00am - 9:50am	Seats (Total: 20) KEY 0106 KEY null	 Discussion
0102	Kenneth Holum MW 11:00am - 11:50am Tu 12:30pm - 1:20pm	Seats (Total: 20) KEY 0106 WDS 1131	 Discussion
0103	Kenneth Holum MW 11:00am - 11:50am Tu 12:30pm - 1:20pm	Seats (Total: 20) KEY 0106 JMZ 1215	 Discussion
0104	Kenneth Holum MW 11:00am - 11:50am F 2:00pm - 2:50pm	Seats (Total: 20) KEY 0106 KEY 0117	 Discussion
0105	Kenneth Holum MW 11:00am - 11:50am F 11:00am - 11:50am	Seats (Total: 20) KEY 0106 KEY 0117	 Discussion

0106	Kenneth Holum MW 11:00am - 11:50am M 10:00am - 10:50am	Seats (Total: 20) KEY 0106 KEY 0117	 Discussion
0107	Kenneth Holum MW 11:00am - 11:50am F 9:00am - 9:50am	Seats (Total: 20) KEY 0106 KEY 0117	 Discussion
0108	Kenneth Holum MW 11:00am - 11:50am F 10:00am - 10:50am	Seats (Total: 20) KEY 0106 KEY 0117	 Discussion
0109	Kenneth Holum MW 11:00am - 11:50am M 2:00pm - 2:50pm	Seats (Total: 20) KEY 0106 JMZ 3120	 Discussion
0110	Kenneth Holum MW 11:00am - 11:50am W 1:00pm - 1:50pm	Seats (Total: 20) KEY 0106 KEY 0123	 Discussion
0111	Kenneth Holum MW 11:00am - 11:50am M 1:00pm - 1:50pm	Seats (Total: 20) KEY 0106 KEY 0123	 Discussion
0112	Kenneth Holum MW 11:00am - 11:50am W 10:00am - 10:50am	Seats (Total: 20) KEY 0106 KEY 0125	 Discussion

HIST111 **The Medieval World**

HIST111 The Medieval World; (3 credits) Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course.
The development of Europe in the Middle Ages; the role of religious values in shaping new social, economic, and political institutions; medieval literature, art and architecture.

0101	Janna Bianchini TuTh 1:00pm - 1:50pm Th 10:00am - 10:50am	Seats (Total: 20) KEY 0106 KEY 0117	 Discussion

0102	Janna Bianchini TuTh 1:00pm - 1:50pm Tu 2:00pm - 2:50pm	Seats (Total: 20) KEY 0106 JMZ 0103	Discussion
0103	Janna Bianchini TuTh 1:00pm - 1:50pm W 12:00pm - 12:50pm	Seats (Total: 20) KEY 0106 KEY 0117	Discussion
0104	Janna Bianchini TuTh 1:00pm - 1:50pm W 10:00am - 10:50am	Seats (Total: 20) KEY 0106 LEF 1222	Discussion
0105	Janna Bianchini TuTh 1:00pm - 1:50pm M 10:00am - 10:50am	Seats (Total: 20) KEY 0106 KEY 0125	Discussion
0106	Janna Bianchini TuTh 1:00pm - 1:50pm M 12:00pm - 12:50pm	Seats (Total: 20) KEY 0106 JMZ 0103	Discussion
0107	Janna Bianchini TuTh 1:00pm - 1:50pm F 9:00am - 9:50am	Seats (Total: 20) KEY 0106 KEY 0120	Discussion
0108	Janna Bianchini TuTh 1:00pm - 1:50pm F 10:00am - 10:50am	Seats (Total: 20) KEY 0106 KEY 0121	Discussion
0109	Janna Bianchini TuTh 1:00pm - 1:50pm Tu 11:00am - 11:50am	Seats (Total: 20) KEY 0106 LEF 1222	Discussion
0110	Janna Bianchini TuTh 1:00pm - 1:50pm Tu 8:00am - 8:50am	Seats (Total: 20) KEY 0106 KEY 0117	Discussion
0111	Janna Bianchini TuTh 1:00pm - 1:50pm Th 2:00pm - 2:50pm	Seats (Total: 20) KEY 0106 KEY 0117	Discussion

0112	Janna Bianchini TuTh 1:00pm - 1:50pm Th 11:00am - 11:50am	Seats (Total: 20) KEY 0106 EDU 0202	 Discussion

HIST112 **The Rise of the West: 1500 - 1789**

HIST112 The Rise of the West: 1500 - 1789; (3 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course.
History of early modern Europe. Development of the national consciousness of European peoples. Evolution of state power and bureaucracy, economic institutions, art, literature, science and religion.

0101	Donald Sutherland MW 10:00am - 11:15am	Seats (Total: 50) KEY 0103	

HIST123 **Sub-Saharan Africa Since 1800**

HIST123 Sub-Saharan Africa Since 1800; (3 credits) Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course. CORE Diversity (D) Course. Overviews early mid-19th-century changes in African societies, European conquest and African resistances in the late 19th-century, colonial states and societies, African nationalisms and decolonization and the independence era. Struggles over social, economic, and political changes are emphasized.

0101	Paul Landau MW 10:00am - 10:50am M 2:00pm - 2:50pm	Seats (Total: 20) KEY 0102 LEF 1201	 Discussion
0102	Paul Landau MW 10:00am - 10:50am W 2:00pm - 2:50pm	Seats (Total: 20) KEY 0102 JMZ 0125	 Discussion
0103	Paul Landau MW 10:00am - 10:50am Tu 10:00am - 10:50am	Seats (Total: 20) KEY 0102 JMZ 0122	 Discussion
0104	Paul Landau MW 10:00am - 10:50am Tu 12:00pm - 12:50pm	Seats (Total: 20) KEY 0102 JMZ 0103	 Discussion

HIST156 **History of the United States to 1865**

HIST156 History of the United States to 1865; (3 credits) Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course.
The United States from colonial times to the end of the Civil War. Establishment and development of American institutions.

0101	David Grimsted MW 1:00pm - 1:50pm F 10:00am - 10:50am	Seats (Total: 20) KEY 0106 JRN 1105	Discussion
0102	David Grimsted MW 1:00pm - 1:50pm F 11:00am - 11:50am	Seats (Total: 20) KEY 0106 JMZ 0103	Discussion
0103	David Grimsted MW 1:00pm - 1:50pm Tu 9:30am - 10:20am	Seats (Total: 20) KEY 0106 KEY 0121	Discussion
0104	David Grimsted MW 1:00pm - 1:50pm W 11:00am - 11:50am	Seats (Total: 20) KEY 0106 KEY 0117	Discussion
0105	David Grimsted MW 1:00pm - 1:50pm Tu 2:00pm - 2:50pm	Seats (Total: 20) KEY 0106 TLF 1101	Discussion
0106	David Grimsted MW 1:00pm - 1:50pm F 12:00pm - 12:50pm	Seats (Total: 20) KEY 0106 KEY 0117	Discussion
0107	David Grimsted MW 1:00pm - 1:50pm W 11:00am - 11:50am	Seats (Total: 20) KEY 0106 LEF 1222	Discussion
0108	David Grimsted MW 1:00pm - 1:50pm F 9:00am - 9:50am	Seats (Total: 20) KEY 0106 KEY 0124	Discussion
0109	David Grimsted MW 1:00pm - 1:50pm M 10:00am - 10:50am	Seats (Total: 20) KEY 0106 LEF 1221	Discussion

0110	David Grimsted MW 1:00pm - 1:50pm M 11:00am - 11:50am	Seats (Total: 20) KEY 0106 KEY 0117	Discussion
0111	David Grimsted MW 1:00pm - 1:50pm M 11:00am - 11:50am	Seats (Total: 20) KEY 0106 WDS 1131	Discussion
0112	David Grimsted MW 1:00pm - 1:50pm Th 12:30pm - 1:20pm	Seats (Total: 20) KEY 0106 KEY 0117	Discussion
0201	Miles Bradbury TuTh 10:00am - 10:50am M 9:00am - 9:50am	Seats (Total: 20) KEY 0106 KEY 0117	Discussion
0202	Miles Bradbury TuTh 10:00am - 10:50am M 1:00pm - 1:50pm	Seats (Total: 20) KEY 0106 KEY 0125	Discussion
0203	Miles Bradbury TuTh 10:00am - 10:50am Tu 8:00am - 8:50am	Seats (Total: 20) KEY 0106 KEY 0123	Discussion
0204	Miles Bradbury TuTh 10:00am - 10:50am Tu 12:30pm - 1:20pm	Seats (Total: 20) KEY 0106 SKN 1112	Discussion
0205	Miles Bradbury TuTh 10:00am - 10:50am W 1:00pm - 1:50pm	Seats (Total: 20) KEY 0106 KEY 0125	Discussion
0206	Miles Bradbury TuTh 10:00am - 10:50am W 10:00am - 10:50am	Seats (Total: 20) KEY 0106 LEF 1221	Discussion
0207	Miles Bradbury TuTh 10:00am - 10:50am Th 12:30pm - 1:20pm	Seats (Total: 20) KEY 0106 WDS 1127	Discussion

0208	Miles Bradbury TuTh 10:00am - 10:50am Th 2:00pm - 2:50pm	Seats (Total: 20) KEY 0106 WDS 1127	Discussion
0209	Miles Bradbury TuTh 10:00am - 10:50am Tu 11:00am - 11:50am	Seats (Total: 20) KEY 0106 KEY 0117	Discussion
0210	Miles Bradbury TuTh 10:00am - 10:50am W 12:00pm - 12:50pm	Seats (Total: 20) KEY 0106 KEY 0126	Discussion
0211	Miles Bradbury TuTh 10:00am - 10:50am F 10:00am - 10:50am	Seats (Total: 20) KEY 0106 KEY 0120	Discussion
0212	Miles Bradbury TuTh 10:00am - 10:50am M 10:00am - 10:50am	Seats (Total: 20) KEY 0106 KEY 0120	Discussion

HIST157 **History of the United States Since 1865**

HIST157 History of the United States Since 1865; (3 credits) Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course.
The United States from the end of the Civil War to the present. Economic, social, intellectual, and political developments. Rise of industry and emergence of the United States as a world power.

0101	Edwin Smead MW 12:00pm - 12:50pm M 2:00pm - 2:50pm	Seats (Total: 20) KEY 0106 HJP 1229	Discussion
0102	Edwin Smead MW 12:00pm - 12:50pm M 1:00pm - 1:50pm	Seats (Total: 20) KEY 0106 HJP 1229	Discussion
0103	Edwin Smead MW 12:00pm - 12:50pm F 10:00am - 10:50am	Seats (Total: 20) KEY 0106 HBK 0123	Discussion

0104	Edwin Smead MW 12:00pm - 12:50pm Th 2:00pm - 2:50pm	Seats (Total: 20) KEY 0106 JMZ 0103	Discussion
0105	Edwin Smead MW 12:00pm - 12:50pm W 1:00pm - 1:50pm	Seats (Total: 20) KEY 0106 LEF 1222	Discussion
0106	Edwin Smead MW 12:00pm - 12:50pm Th 8:00am - 8:50am	Seats (Total: 20) KEY 0106 KEY 0117	Discussion
0107	Edwin Smead MW 12:00pm - 12:50pm W 9:00am - 9:50am	Seats (Total: 20) KEY 0106 KEY 0125	Discussion
0108	Edwin Smead MW 12:00pm - 12:50pm Th 11:00am - 11:50am	Seats (Total: 20) KEY 0106 EDU 0206	Discussion
0109	Edwin Smead MW 12:00pm - 12:50pm Th 2:00pm - 2:50pm	Seats (Total: 20) KEY 0106 ARM 0103	Discussion
0110	Edwin Smead MW 12:00pm - 12:50pm F 10:00am - 10:50am	Seats (Total: 20) KEY 0106 HZF 0101	Discussion
0111	Edwin Smead MW 12:00pm - 12:50pm F 12:00pm - 12:50pm	Seats (Total: 20) KEY 0106 KEY 0121	Discussion
0112	Edwin Smead MW 12:00pm - 12:50pm F 11:00am - 11:50am	Seats (Total: 20) KEY 0106 KEY 1117	Discussion
0201	David Sicilia TuTh 12:00pm - 12:50pm M 10:00am - 10:50am	Seats (Total: 20) KEY 0106 ASY 3221	Discussion

0202	David Sicilia TuTh 12:00pm - 12:50pm Tu 11:00am - 11:50am	Seats (Total: 20) KEY 0106 JMZ 2207	Discussion
0203	David Sicilia TuTh 12:00pm - 12:50pm M 9:00am - 9:50am	Seats (Total: 20) KEY 0106 KEY 0120	Discussion
0204	David Sicilia TuTh 12:00pm - 12:50pm Tu 11:00am - 11:50am	Seats (Total: 20) KEY 0106 ARM 0120	Discussion
0205	David Sicilia TuTh 12:00pm - 12:50pm Th 11:00am - 11:50am	Seats (Total: 20) KEY 0106 JMZ 2207	Discussion
0206	David Sicilia TuTh 12:00pm - 12:50pm W 10:00am - 10:50am	Seats (Total: 20) KEY 0106 KEY 0121	Discussion
0207	David Sicilia TuTh 12:00pm - 12:50pm W 12:00pm - 12:50pm	Seats (Total: 20) KEY 0106 LEF 1222	Discussion
0208	David Sicilia TuTh 12:00pm - 12:50pm W 2:00pm - 2:50pm	Seats (Total: 20) KEY 0106 WDS 0104	Discussion
0209	David Sicilia TuTh 12:00pm - 12:50pm Th 11:00am - 11:50am	Seats (Total: 20) KEY 0106 EDU 2102	Discussion
0210	David Sicilia TuTh 12:00pm - 12:50pm Th 9:30am - 10:20am	Seats (Total: 20) KEY 0106 COL 3112	Discussion
0211	David Sicilia TuTh 12:00pm - 12:50pm Th 11:00am - 11:50am	Seats (Total: 20) KEY 0106 ARM 0120	Discussion

0212	David Sicilia TuTh 12:00pm - 12:50pm M 1:00pm - 1:50pm	Seats (Total: 20) KEY 0106 KEY 0121	 Discussion

HIST174 **Introduction to the History of Science**

HIST174 Introduction to the History of Science; (3 credits) Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course.
Formerly HIST200. Major issues in the development of modern science. Specific examples of discoveries and theories from the viewpoint of theories of historical change, philosophies of science, and interaction of science with philosophy.

0101	Erika Milam TuTh 9:00am - 9:50am Tu 12:00pm - 12:50pm	Seats (Total: 20) KEY 0102 LEF 1222	 Discussion
0102	Erika Milam TuTh 9:00am - 9:50am F 10:00am - 10:50am	Seats (Total: 20) KEY 0102 BPS 1228	 Discussion
0103	Erika Milam TuTh 9:00am - 9:50am Tu 1:00pm - 1:50pm	Seats (Total: 20) KEY 0102 LEF 1201	 Discussion
0104	Erika Milam TuTh 9:00am - 9:50am F 9:00am - 9:50am	Seats (Total: 20) KEY 0102 ARM 0101	 Discussion

HIST208J **Historical Research and Methods Seminar; Black Crosscultural Politics in the Americas in the Twentieth Century.**

HIST208J *(PermReq)* **Historical Research and Methods Seminar: Black Crosscultural Politics in the Americas in the Twentieth Century.; (3 credits)** Grade Method: REG.
Prerequisite: permission of department.

0101	Theodore Cohen M 12:00pm - 2:00pm Contact instructor or department for details.	Seats (Total: 15) KEY 0117	

0102	Theodore Cohen F 10:00am - 12:00pm Contact instructor or department for details.	Seats (Total: 15) TLF 2108

HIST208K **Historical Research and Methods Seminar; The Road to Culture War: Cultural Politics in the Twentieth-Century United States**

HIST208K *(PermReq)* **Historical Research and Methods Seminar: The Road to Culture War: Cultural Politics in the Twentieth-Century United States; (3 credits)** Grade Method: REG.
Prerequisite: permission of department.

0101	Erik Christiansen M 2:00pm - 4:00pm Contact instructor or department for details.	Seats (Total: 15) KEY 0117
0102	Erik Christiansen W 1:00pm - 3:00pm Contact instructor or department for details.	Seats (Total: 15) KEY 0117

HIST208M **Historical Research and Methods Seminar; Gender and Popular Culture in Twentieth-Century America**

HIST208M *(PermReq)* **Historical Research and Methods Seminar: Gender and Popular Culture in Twentieth-Century America; (3 credits)** Grade Method: REG.
Prerequisite: permission of department.

0101	Christina Larocco W 9:00am - 11:00am Contact instructor or department for details.	Seats (Total: 15) KEY 0117
0102	Christina Larocco Tu 9:00am - 11:00am Contact instructor or department for details.	Seats (Total: 15) TLF 2110

HIST208N **Historical Research and Methods Seminar; Eastern Europe through Western Eyes, 1821-1991**

HIST208N *(PermReq)* **Historical Research and Methods Seminar: Eastern Europe through Western Eyes, 1821-1991; (3 credits)** Grade Method: REG.
Prerequisite: permission of department.

0101	Stefan Papaioannou Th 10:00am - 12:00pm Contact instructor or department for details.	Seats (Total: 15) TLF 2108
0102	Stefan Papaioannou Tu 2:00pm - 4:00pm Contact instructor or department for details.	Seats (Total: 15) KEY 0119

HIST208P **Historical Research and Methods Seminar; Immigration and British Society, 1850-1983**

HIST208P *(PermReq)* **Historical Research and Methods Seminar: Immigration and British Society, 1850-1983; (3 credits)** Grade Method: REG.
Prerequisite: permission of department.

0101	Charles Reed Th 11:00am - 1:00pm Contact instructor or department for details.	Seats (Total: 15) TLF 2110
0102	Charles Reed Th 2:00pm - 4:00pm Contact instructor or department for details.	Seats (Total: 15) KEY 0119

HIST208T **Historical Research and Methods Seminar; Medieval Saints Lives: History and Hagiography**

HIST208T *(PermReq)* **Historical Research and Methods Seminar: Medieval Saints Lives: History and Hagiography; (3 credits)** Grade Method: REG.

0101	Jeanne Rutenburg W 1:00pm - 3:00pm Contact instructor or department for details.	Seats (Total: 15) TLF 2100

HIST211 **Women in America Since 1880**

HIST211 Women in America Since 1880; (3 credits) Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course. CORE Diversity (D) Course.
Also offered as WMST211. Credit will be granted for only one of the following: HIST211 or WMST211. An examination of women's changing roles in working class and middle class families, the effects of industrialization on women's economic activities and status, and women's involvement in political and social struggles including those for women's rights, birth control, and civil rights.

0101	Robyn Muncy MW 10:00am - 10:50am Tu 1:00pm - 1:50pm	Seats (Total: 20) KEY 0106 JMZ 0122	Discussion
0102	Robyn Muncy MW 10:00am - 10:50am Tu 10:00am - 10:50am	Seats (Total: 20) KEY 0106 ASY 3221	Discussion
0103	Robyn Muncy MW 10:00am - 10:50am W 12:00pm - 12:50pm	Seats (Total: 20) KEY 0106 JMZ 0103	Discussion
0104	Robyn Muncy MW 10:00am - 10:50am M 12:00pm - 12:50pm	Seats (Total: 20) KEY 0106 JMZ 0120	Discussion
0105	Robyn Muncy MW 10:00am - 10:50am Th 12:30pm - 1:20pm	Seats (Total: 20) KEY 0106 SKN 1112	Discussion
0106	Robyn Muncy MW 10:00am - 10:50am Th 9:30am - 10:20am	Seats (Total: 20) KEY 0106 JMZ 0120	Discussion
0107	Robyn Muncy MW 10:00am - 10:50am M 2:00pm - 2:50pm	Seats (Total: 20) KEY 0106 JMZ 1117	Discussion
0108	Robyn Muncy MW 10:00am - 10:50am W 2:00pm - 2:50pm	Seats (Total: 20) KEY 0106 KEY 0126	Discussion

HIST212 **Women in Western Europe, 1750-Present**

HIST212 Women in Western Europe, 1750-Present; (3 credits) Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course. CORE Diversity (D) Course.
Also offered as WMST212. Credit will be granted for only one of the following: HIST212 or WMST212. An analysis of the economic, family, and political roles of European women from 1750 to the present. The effects of industrialization on women's work and status, the demographic parameters of women's lives, and women's participation in political events from market riots to suffrage struggles.

0101	Gay Gullickson TuTh 10:00am - 10:50am M 1:00pm - 1:50pm	Seats (Total: 20) KEY 0102 JMZ 1103	Discussion
0102	Gay Gullickson TuTh 10:00am - 10:50am Th 2:00pm - 2:50pm	Seats (Total: 20) KEY 0102 JMZ 0118	Discussion
0103	Gay Gullickson TuTh 10:00am - 10:50am Tu 12:30pm - 1:20pm	Seats (Total: 20) KEY 0102 JMZ 2120	Discussion
0104	Gay Gullickson TuTh 10:00am - 10:50am F 10:00am - 10:50am	Seats (Total: 20) KEY 0102 COL 3114	Discussion

HIST213 **History of Sexuality in America**

HIST213 History of Sexuality in America; (3 credits) Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course. CORE Diversity (D) Course.
Credit will be granted for only one of the following: HIST213 or HIST219O. Formerly HIST219O. Explores the social construction of sexualities from the first colonial settlement to the modern era in the United States. Analyzes the implications of these understandings for power relations in U.S History.

0101	Clare Lyons MW 1:00pm - 1:50pm M 9:00am - 9:50am	Seats (Total: 20) SQH 1120 KEY 0124	Discussion

0102	Clare Lyons MW 1:00pm - 1:50pm M 11:00am - 11:50am	Seats (Total: 20) SQH 1120 KEY 0119	Discussion
0103	Clare Lyons MW 1:00pm - 1:50pm W 9:00am - 9:50am	Seats (Total: 20) SQH 1120 KEY 0124	Discussion
0104	Clare Lyons MW 1:00pm - 1:50pm W 11:00am - 11:50am	Seats (Total: 20) SQH 1120 KEY 0121	Discussion

HIST216 **Introduction to the Study of World Religions**

HIST216 Introduction to the Study of World Religions; (3 credits) Grade Method: REG/P-F. CORE Humanities (HO) Course. CORE Diversity (D) Course.
Survey of the history and development of major religions as a significant aspect of social and cultural history. Discusses major scholarly approaches to the study of religion.

0101	Peter Antoci University Chaplain M 1:00pm - 3:30pm Contact instructor or department for details.	Seats (Total: 40) KEY 0126

HIST219A **Women in Western Europe to 1750**

HIST219A Women in Western Europe to 1750; (3 credits) Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course. CORE Diversity (D) Course.

0101	Sabrina Baron MW 12:00pm - 1:15pm	Seats (Total: 50) KEY 0103

HIST219C **Special Topics in History; Terrorism in the 20th Century**
Contact department for information to register for this course.

HIST219M **Special Topics in History: Asian American History**

HIST219M Special Topics in History: Asian American History; (3 credits) Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course. CORE Diversity (D) Course.
Also offered as AAST201.

0101	Larry Shinagawa MW 9:00am - 9:50am M 10:00am - 10:50am	Seats (Total: 20) ASY 1213 TLF 1101	Discussion
0102	Larry Shinagawa MW 9:00am - 9:50am M 12:00pm - 12:50pm	Seats (Total: 20) ASY 1213 TLF 1103	Discussion
0103	Larry Shinagawa MW 9:00am - 9:50am M 2:00pm - 2:50pm	Seats (Total: 20) ASY 1213 TLF 1103	Discussion
0104	Larry Shinagawa MW 9:00am - 9:50am W 1:00pm - 1:50pm	Seats (Total: 20) ASY 1213 TLF 1101	Discussion

HIST219W **Special Topics in History; Middle East and North Africa in the 20th Century**

HIST219W Special Topics in History: Middle East and North Africa in the 20th Century; (3 credits) Grade Method: REG/P-F/AUD.

0101	Peter Wien MW 9:00am - 9:50am W 10:00am - 10:50am	Seats (Total: 20) KEY 0102 SKN 1112	Discussion
0102	Peter Wien MW 9:00am - 9:50am W 12:00pm - 12:50pm	Seats (Total: 20) KEY 0102 JRN 1104	Discussion
0103	Peter Wien MW 9:00am - 9:50am M 11:00am - 11:50am	Seats (Total: 20) KEY 0102 KEY 0116	Discussion
0104	Peter Wien MW 9:00am - 9:50am M 12:00pm - 12:50pm	Seats (Total: 20) KEY 0102 KEY 0126	Discussion

HIST219Z **Special Topics in History; The Conflict of Church and State in the Middle Ages**

HIST219Z Special Topics in History: The Conflict of Church and State in the Middle Ages; (3 credits) Grade Method: REG/P-F/AUD.

0101	Jeanne Rutenburg TuTh 11:00am - 12:15pm	Seats (Total: 39) KEY 0125	

HIST225 **Modern Military History, 1815-Present**

HIST225 Modern Military History, 1815-Present; (3 credits) Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course.
The military history of Europe through an examination of the economic, financial, strategic, tactical, and technological aspects of the development of military institutions and warfare from the Congress of Vienna in 1815 to the present.

0101	Jon Sumida TuTh 9:00am - 9:50am Th 1:00pm - 1:50pm	Seats (Total: 20) KEY 0106 JMZ 0103	Discussion
0102	Jon Sumida TuTh 9:00am - 9:50am Tu 2:00pm - 2:50pm	Seats (Total: 20) KEY 0106 JMZ 1122	Discussion
0103	Jon Sumida TuTh 9:00am - 9:50am M 9:00am - 9:50am	Seats (Total: 20) KEY 0106 WDS 0104	Discussion
0104	Jon Sumida TuTh 9:00am - 9:50am M 12:00pm - 12:50pm	Seats (Total: 20) KEY 0106 ARM 0118	Discussion
0105	Jon Sumida TuTh 9:00am - 9:50am F 9:00am - 9:50am	Seats (Total: 20) KEY 0106 JMZ 2125	Discussion
0106	Jon Sumida TuTh 9:00am - 9:50am Th 8:00am - 8:50am	Seats (Total: 20) KEY 0106 KEY 0120	Discussion

0107	Jon Sumida TuTh 9:00am - 9:50am Tu 8:00am - 8:50am	Seats (Total: 20) KEY 0106 KEY 0120	Discussion
0108	Jon Sumida TuTh 9:00am - 9:50am F 11:00am - 11:50am	Seats (Total: 20) KEY 0106 KEY 0119	Discussion
0109	Jon Sumida TuTh 9:00am - 9:50am Tu 11:00am - 11:50am	Seats (Total: 20) KEY 0106 TYD 0101	Discussion
0110	Jon Sumida TuTh 9:00am - 9:50am Th 11:00am - 11:50am	Seats (Total: 20) KEY 0106 KEY 0117	Discussion
0111	Jon Sumida TuTh 9:00am - 9:50am W 9:00am - 9:50am	Seats (Total: 20) KEY 0106 SKN 1112	Discussion
0112	Jon Sumida TuTh 9:00am - 9:50am W 11:00am - 11:50am	Seats (Total: 20) KEY 0106 TLF 1103	Discussion

HIST232 **The Historical Development of London**
Contact department for information to register for this course.

HIST233 **Empire! The British Imperial Experience 1558-1997**

HIST233 Empire! The British Imperial Experience 1558-1997; (3 credits) Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course. CORE Diversity (D) Course.
Credit will be granted for only one of the following: HIST219P or HIST233. Formerly HIST219P. Britain's empire from the mid-sixteenth century to the late twentieth century, focusing on the encounter between Britain and indigenous peoples. Topics include the origins of British imperialism in Ireland and North America, the slave trade, the East India Company and India, women in Empire, transportation and the making of Australia, sex in empire, missionaries, racial theories and decolonizaiton.

0101	Anne Rush TuTh 11:00am - 11:50am Th 9:30am - 10:20am	Seats (Total: 20) KEY 0102 JMZ 3120	 Discussion
0102	Anne Rush TuTh 11:00am - 11:50am Tu 2:00pm - 2:50pm	Seats (Total: 20) KEY 0102 JMZ 0118	 Discussion
0103	Anne Rush TuTh 11:00am - 11:50am Tu 10:00am - 10:50am	Seats (Total: 20) KEY 0102 KEY 0117	 Discussion
0104	Anne Rush TuTh 11:00am - 11:50am Th 10:00am - 10:50am	Seats (Total: 20) KEY 0102 JMZ 1103	 Discussion

HIST236 **History of Britain 1688 to Present**

HIST236 History of Britain 1688 to Present; (3 credits) Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course.
British history from the Glorious Revolution of 1688 to the present. The revolution of 1688; the structure of 18th-century society and politics; economic and social change in the Industrial Revolution; 19th and 20th-century political and social reform; imperialism; the impact of the First and Second World Wars on British society.

0101	Julie Taddeo MW 3:30pm - 4:45pm	Seats (Total: 40) KEY 1117	

HIST240 **Europe in the Twentieth Century**

HIST240 Europe in the Twentieth Century; (3 credits) Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course.
Not open to students who have completed HIST337. Credit will be granted for only one of the following: HIST240 or HIST337. Formerly HIST337. Political, cultural and economic developments in 20th-century Europe.

0101	John Lampe TuTh 11:00am - 11:50am F 10:00am - 10:50am	Seats (Total: 20) KEY 0106 LEF 1221	 Discussion

0102	John Lampe TuTh 11:00am - 11:50am F 11:00am - 11:50am	Seats (Total: 20) KEY 0106 PLS 1172	Discussion
0104	John Lampe TuTh 11:00am - 11:50am W 2:00pm - 2:50pm	Seats (Total: 20) KEY 0106 ASY 3217	Discussion
0105	John Lampe TuTh 11:00am - 11:50am W 12:00pm - 12:50pm	Seats (Total: 20) KEY 0106 JMZ 0120	Discussion
0106	John Lampe TuTh 11:00am - 11:50am Tu 12:00pm - 12:50pm	Seats (Total: 20) KEY 0106 ARM 0102	Discussion
0108	John Lampe TuTh 11:00am - 11:50am Tu 10:00am - 10:50am	Seats (Total: 20) KEY 0106 KEY 0119	Discussion
0109	John Lampe TuTh 11:00am - 11:50am Tu 12:00pm - 12:50pm	Seats (Total: 20) KEY 0106 KEY 0117	Discussion
0110	John Lampe TuTh 11:00am - 11:50am F 1:00pm - 1:50pm	Seats (Total: 20) KEY 0106 KEY 0116	Discussion
0111	John Lampe TuTh 11:00am - 11:50am W 10:00am - 10:50am	Seats (Total: 20) KEY 0106 KEY 0120	Discussion

HIST251 **Latin American History II**

HIST251 Latin American History II; (3 credits) Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course. CORE Diversity (D) Course.
The political culture of the republics of Latin America. Themes include nation building, modernization, race relations, economic development, gender, reform and revolution, and relations between the United States and Latin America.

0101	Karin Rosemblatt TuTh 12:00pm - 12:50pm W 9:00am - 9:50am	Seats (Total: 20) KEY 0102 TLF 1103	Discussion
0102	Karin Rosemblatt TuTh 12:00pm - 12:50pm M 11:00am - 11:50am	Seats (Total: 20) KEY 0102 JMZ 0103	Discussion
0103	Karin Rosemblatt TuTh 12:00pm - 12:50pm M 2:00pm - 2:50pm	Seats (Total: 20) KEY 0102 ARM 0102	Discussion
0104	Karin Rosemblatt TuTh 12:00pm - 12:50pm Tu 11:00am - 11:50am	Seats (Total: 20) KEY 0102 JMZ 0103	Discussion

HIST283 **History of the Jewish People II**

HIST283 History of the Jewish People II; (3 credits) Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course. CORE Diversity (D) Course. *Credit will be granted for only one of the following: HIST283, HIST283H, JWST235, or JWST235H.* Political, economic, social and cultural development within Jewish history from the end of Middle Ages to the present. Special attention to twentieth century developments including the Nazi holocaust and its aftermath, the Zionist movement and the creation of the State of Israel; rise of the contemporary American Jewish community. Also offered as JWST235.

0101	Bernard Cooperman TuTh 1:00pm - 1:50pm M 11:00am - 11:50am	Seats (Total: 20) CHM 1407 LEF 1222	Discussion
0102	Bernard Cooperman TuTh 1:00pm - 1:50pm W 1:00pm - 1:50pm	Seats (Total: 20) CHM 1407 KEY 0121	Discussion
0103	Bernard Cooperman TuTh 1:00pm - 1:50pm Tu 9:00am - 9:50am	Seats (Total: 20) CHM 1407 KEY 0117	Discussion

0104	Bernard Cooperman TuTh 1:00pm - 1:50pm M 12:00pm - 12:50pm	Seats (Total: 20) CHM 1407 ARM 0121	Discussion
0105	Bernard Cooperman TuTh 1:00pm - 1:50pm W 11:00am - 11:50am	Seats (Total: 20) CHM 1407 WDS 1131	Discussion
0106	Bernard Cooperman TuTh 1:00pm - 1:50pm M 11:00am - 11:50am	Seats (Total: 20) CHM 1407 KEY 0121	Discussion
0107	Bernard Cooperman TuTh 1:00pm - 1:50pm M 10:00am - 10:50am	Seats (Total: 20) CHM 1407 KEY 0121	Discussion
0108	Bernard Cooperman TuTh 1:00pm - 1:50pm Tu 2:00pm - 2:50pm	Seats (Total: 20) CHM 1407 MTH 0102	Discussion

HIST283H **History of the Jewish People II**

HIST283H History of the Jewish People II; (3 credits) Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course. CORE Diversity (D) Course. *Credit will be granted for only one of the following: HIST283, HIST283H, JWST235, or JWST235H.* Also offered as JWST235H.

0101	Bernard Cooperman TuTh 1:00pm - 1:50pm Tu 3:00pm - 3:50pm	Seats (Total: 15) CHM 1407 TLF 2100	Discussion

HIST285 **East Asian Civilization II**

HIST285 East Asian Civilization II; (3 credits) Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course. CORE Diversity (D) Course.
A survey of the historical development of modern Asia since 1700. Primarily concerned with the efforts of East Asians to preserve their traditional cultures in the face of Western expansion in the 18th and 19th centuries, and their attempts to survive as nations in the 20th century.

0101	James Gao TuTh 1:00pm - 1:50pm F 9:00am - 9:50am	Seats (Total: 20) KEY 0102 JMZ 0118	Discussion
0102	James Gao TuTh 1:00pm - 1:50pm F 11:00am - 11:50am	Seats (Total: 20) KEY 0102 COL 3114	Discussion
0103	James Gao TuTh 1:00pm - 1:50pm Th 9:00am - 9:50am	Seats (Total: 20) KEY 0102 KEY 0117	Discussion
0104	James Gao TuTh 1:00pm - 1:50pm Th 2:00pm - 2:50pm	Seats (Total: 20) KEY 0102 JMZ 2117	Discussion

HIST299 **Directed Research**

HIST299 Directed Research; (1-3 credits) Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HIST299C **Directed Research; Modern Jewish History in Film**

HIST299C Directed Research: Modern Jewish History in Film; (1 credit) Grade Method: REG/P-F/AUD.
Corequisite: HIST283 or HIST283H.

0101	Bernard Cooperman Th 3:30pm - 6:30pm	Seats (Total: 50) ASY 1213	

HIST306 **History of Religion in America**

HIST306 History of Religion in America; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: HIST156, HIST157, HIST210, HIST211, HIST213, HIST216, HIST254, or HIST255; or permission of instructor.* A history of religion, religious movements, and churches in America from the early Colonial period to the present, with special attention to the relation between church and society.

0101	Miles Bradbury TuTh 12:30pm - 1:45pm	Seats (Total: 35) KEY 0116	

HIST307 **The Holocaust of European Jewry**

HIST307 The Holocaust of European Jewry; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as JWST345. Credit will be granted for only one of the following: HIST307 or JWST345. Roots of Nazi Jewish policy in the l930's and during World War II: the process of destruction and the implementation of the "final solution of the Jewish problem" in Europe, and the responses made by the Jews to their concentration and annihilation.

0101	Marsha Rozenblit MW 11:00am - 11:50am M 12:00pm - 12:50pm	Seats (Total: 20) KEY 0102 KEY 0121	 Discussion
0102	Marsha Rozenblit MW 11:00am - 11:50am W 9:00am - 9:50am	Seats (Total: 20) KEY 0102 TYD 1114	 Discussion
0103	Marsha Rozenblit MW 11:00am - 11:50am W 12:00pm - 12:50pm	Seats (Total: 20) KEY 0102 KEY 0121	 Discussion
0104	Marsha Rozenblit MW 11:00am - 11:50am M 9:00am - 9:50am	Seats (Total: 20) KEY 0102 KEY 0125	 Discussion

HIST319L **Special Topics in History; Asian Age in World History**

HIST319L Special Topics in History: Asian Age in World History; (3 credits) Grade Method: REG/P-F/AUD.

0101	Charles Lilley TuTh 2:00pm - 3:15pm	Seats (Total: 35) KEY 0116	

HIST319N **Special Topics in History; A Modern History of Korea**

HIST319N Special Topics in History: A Modern History of Korea; (3 credits) Grade Method: REG/P-F/AUD.

0101	Charles Lilley	Seats (Total: 35)
	TuTh 12:30pm - 1:45pm	KEY 0103

HIST319P **Special Topics in History; In Search of the Religions of Ancient Israel**

HIST319P Special Topics in History: In Search of the Religions of Ancient Israel; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as JWST319p.

0101	Mark Cohen	Seats (Total: 20)
	TuTh 12:30pm - 1:45pm	PLS 1168

HIST319Y **Special Topics in History; 20th Century Britain 1914-1997**
Contact department for information to register for this course.

HIST319Z **Special Topics in History; Secrecy and Power: The FBI 1909-1972**
Contact department for information to register for this course.

HIST321 **Biblical History and Culture**

HIST321 Biblical History and Culture; (3 credits) Grade Method: REG.
Also offered as JWST324. Not open to students who have completed HEBR333. Credit will be granted for only one of the following: HIST321 or JWST324. Formerly HEBR333. Study of the political, social and religious development of the Jewish nation from its inception to its return from exile in Babylonia around 536 C.E. Focus on biblical texts, archaeological finds, and source materials from neighboring cultures to reconstruct political history and the development of religious concepts.

0101	Mark Cohen	Seats (Total: 50)
	TuTh 11:00am - 12:15pm	BPS 1236

HIST329D **Special Topics in History; Democracy and Dictatorship in Europe 1918-1945**
Contact department for information to register for this course.

HIST329E **Special Topics in History; Black Women in United States History**

HIST329E Special Topics in History: Black Women in United States History; (3 credits) Grade Method: REG/P-F/AUD.
Sophomore standing. Also offered as AASP313, HIST329E, WMST314. Credit will be granted for only one of the following: AASP498W, AASP313, HIST329E, WMST314 or WMST498N. Formerly WMST498N.

0101	Elsa Barkley Brown W 3:30pm - 6:00pm	Seats (Total: 30) KEY 0116

HIST329I **Special Topics in History; Cultural History of New Orleans: Colonial to Katrina**

HIST329I Special Topics in History: Cultural History of New Orleans: Colonial to Katrina; (3 credits) Grade Method: REG/P-F/AUD.

0101	Emily Landau TuTh 11:00am - 12:15pm	Seats (Total: 30) KEY 0121

HIST331 **Europe in the High Middle Ages: 1000-1250**

HIST331 Europe in the High Middle Ages: 1000-1250; (3 credits) Grade Method: REG/P-F/AUD.
Medieval civilization in the 11th through 13th centuries. Emphasis on cultural and political developments of the high Middle Ages with study of the principal sources of medieval thought and learning, art and architecture and political theory. Recommended as a sequel to HIST330.

0101	Janna Bianchini TuTh 9:30am - 10:45am	Seats (Total: 35) KEY 0125

HIST333 **The European Reformations**

HIST333 The European Reformations; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: HIST111, HIST112, or permission of instructor. Examination of developments in European religion between 1450 and 1700; the late-medieval Church and its critics; rise of Protestant thought in Germany and its spread throughout Europe; reform efforts in the Catholic Church; religious wars and violence and their impact on state and society; consequences of religious reform in society and its impact on the family and women.

0101	Philip Soergel MW 12:00pm - 1:15pm	Seats (Total: 35) KEY 0116
0201	Philip Soergel MW 3:30pm - 4:45pm	Seats (Total: 30) TLF 2103

HIST340 **Nationalism and Communism in Eastern Europe**

HIST340 Nationalism and Communism in Eastern Europe; (3 credits) Grade Method: REG/P-F/AUD.
National states, ethnic conflict and communist parties across the 20th century, including the collapse of the Soviet bloc regimes and the break-up of Yugoslavia.

0101	Katherine David-Fox MW 2:00pm - 3:15pm	Seats (Total: 35) KEY 0103

HIST355 **Civil War and the Rise of Industrialization, 1860-1900**

HIST355 Civil War and the Rise of Industrialization, 1860-1900; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: HIST156, HIST157, HIST210, HIST213, HIST222, HIST254, HIST255, or HIST275; or permission of instructor. Credit will be granted for only one of the following: HIST355 or HIST364. Civil War, sectional and class conflicts and their impact on American life and institutions from the beginning of the Civil War through the Gilded Age; social, economic, and political reconstruction of the Union; industrialization, urbanization, and technological changes.

0101	Donald McNeilly MW 2:00pm - 3:15pm	Seats (Total: 35) KEY 0116

HIST356 **Emergence of Modern America, 1900-1945**

HIST356 Emergence of Modern America, 1900-1945; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: HIST157, HIST211, HIST213, HIST222, HIST255, HIST265, or HIST275; or permission of instructor. The emergence of modern institutions and identities, 1900-1945. These institutions may include corporate enterprises and the welfare state; identities include homosexuality, the New Woman and the New Negro.

0101	Donald McNeilly MW 12:00pm - 1:15pm	Seats (Total: 40) KEY 1117

HIST357 **Recent America: 1945-Present**

HIST357 Recent America: 1945-Present; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: HIST157, HIST211, HIST213, HIST222, HIST255, HIST265, or HIST275; or permission of instructor.* American history from the inauguration of Harry S. Truman to the present with emphasis upon politics and foreign relations, but with consideration of special topics such as radicalism, conservatism, and labor.

0101	Edwin Smead MW 2:00pm - 3:15pm	Seats (Total: 80) KEY 0102
0201	Alfred Moss TuTh 12:30pm - 1:45pm	Seats (Total: 30) SQH 2117

HIST386 **Experiential Learning**

HIST386 *(PermReq)* **Experiential Learning; (3-6 credits)** Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: permission of department. Junior standing. The History Department's Internship program. Pre-professional experience in historical research, analysis and writing in a variety of work settings.

Contact department for information to register for this course.

HIST396 **Honors Colloquium II**

HIST396 *(PermReq)* **Honors Colloquium II; (3 credits)** Grade Method: REG/P-F/AUD. CORE Capstone (CS) Course.
Prerequisite: HIST395 or permission of department. For HIST majors only. Uses a seminar approach to examine a major problem of historical interpretation across two or more diverse cultures in different periods. Topics vary and include: religion and society, the city in history, gender, slavery and emancipation, and modernization.

0101	Sonya Michel Tu 3:00pm - 5:00pm Contact instructor or department for details.	Seats (Total: 14) KEY 0107

HIST398 **Honors Thesis**

HIST398 *(PermReq)* **Honors Thesis; (3 credits)** Grade Method: REG/P-F/AUD. Prerequisite: permission of department.

0101	Arthur Eckstein M 1:00pm - 3:00pm Contact instructor or department for details.	Seats (Total: 15) TLF 2100

HIST404 **History of Modern Biology**

HIST404 History of Modern Biology; (3 credits) Grade Method: REG/P-F/AUD. The internal development of biology in the 19th and 20th-centuries, including evolution, cell theory, heredity and development, spontaneous generation, and mechanism-vitalism controversies. The philosophical aspects of the development of scientific knowledge and the interaction of biology with chemistry and physics.

0101	Erika Milam TuTh 11:00am - 12:15pm	Seats (Total: 30) KEY 0123
SG91	John Parascandola TuTh 9:00am - 10:15am *Registration is restricted to Biological Sciences- Shady Grove majors.*	Seats (Total: 30) SGII 3062

HIST407 **Technology and Social Change in History**

HIST407 Technology and Social Change in History; (3 credits) Grade Method: REG/P-F/AUD.
Students with HIST407 prior to Fall Semester 1989 must have permission of department to enroll in this course. Social consequences of technological innovations and the ways in which societies have coped with new technologies.

0101	Robert Friedel TuTh 11:00am - 12:15pm	Seats (Total: 35) KEY 1117

HIST408A **Senior Seminar; War and Society in Eastern Europe**

HIST408A *(PermReq)* **Senior Seminar: War and Society in Eastern Europe; (3 credits)** Grade Method: REG. CORE Capstone (CS) Course.

0101	Katherine David-Fox W 11:00am - 1:00pm Contact instructor or department for details.	Seats (Total: 12) TLF 2103

HIST408D **Senior Seminar; Mythologies of the City: Moscow and Petersburg in Russian Culture**

HIST408D *(PermReq)* **Senior Seminar: Mythologies of the City: Moscow and Petersburg in Russian Culture; (3 credits)** Grade Method: REG. CORE Capstone (CS) Course.

0101	Michael David-Fox Tu 11:00am - 1:00pm Contact instructor or department for details.	Seats (Total: 12) TLF 2108

HIST408E **Senior Seminar; War and Individual Liberty, from the American Revolution to the War on Terror**

HIST408E *(PermReq)* **Senior Seminar: War and Individual Liberty, from the American Revolution to the War on Terror; (3 credits)** Grade Method: REG. CORE Capstone (CS) Course.

0101	Whitman Ridgway Th 10:00am - 12:00pm Contact instructor or department for details. *Room Conflict: room given to HIST208P 0101 (rollover, no changes).*	Seats (Total: 12) TLF 2100

HIST408I **Senior Seminar; Women in 20th Century US**

HIST408I *(PermReq)* **Senior Seminar: Women in 20th Century US; (3 credits)** Grade Method: REG. CORE Capstone (CS) Course.

0101	Robyn Muncy M 12:00pm - 2:00pm Contact instructor or department for details.	Seats (Total: 12) KEY 0107

HIST408J **Senior Seminar; The Modern Babylon: A Cultural History of 19th Century London**

HIST408J *(PermReq)* **Senior Seminar: The Modern Babylon: A Cultural History of 19th Century London; (3 credits)** Grade Method: REG. CORE Capstone (CS) Course.

0101	Julie Taddeo M 1:00pm - 3:00pm Contact instructor or department for details.	Seats (Total: 12) TLF 2103

HIST408K **Senior Seminar; Early American History**

HIST408K *(PermReq)* **Senior Seminar: Early American History; (3 credits)** Grade Method: REG. CORE Capstone (CS) Course.

0101	Miles Bradbury Tu 2:00pm - 4:00pm Contact instructor or department for details.	Seats (Total: 12) KEY 0117

HIST408N **Senior Seminar; History and Memory in Medieval Islam**

HIST408N *(PermReq)* **Senior Seminar: History and Memory in Medieval Islam; (3 credits)** Grade Method: REG. CORE Capstone (CS) Course.

0101	Antoine Borrut W 10:00am - 12:00pm Contact instructor or department for details.	Seats (Total: 12) KEY 0107

HIST408P **Senior Seminar; Writing the History of American Film**

HIST408P *(PermReq)* **Senior Seminar: Writing the History of American Film; (3 credits)** Grade Method: REG. CORE Capstone (CS) Course.
Prerequisite: permission of department.

0101	Saverio Giovacchini Th 1:00pm - 3:00pm Contact instructor or department for details.	Seats (Total: 12) TLF 2108

HIST408Q **Senior Seminar; Chinese City and Frontiers**

HIST408Q *(PermReq)* **Senior Seminar: Chinese City and Frontiers; (3 credits)** Grade Method: REG. CORE Capstone (CS) Course.

0101	James Gao Th 10:00am - 12:00pm Contact instructor or department for details.	Seats (Total: 12) KEY 0107

HIST408X **Senior Seminar; Transnational Environmental History**

HIST408X *(PermReq)* **Senior Seminar: Transnational Environmental History; (3 credits)** Grade Method: REG. CORE Capstone (CS) Course.

0101	Robert Friedel Tu 3:00pm - 5:00pm Contact instructor or department for details.	Seats (Total: 12) TLF 1101

HIST408Y **Senior Seminar; Jewish Women Confront Modernity**

HIST408Y *(PermReq)* **Senior Seminar: Jewish Women Confront Modernity; (3 credits)** Grade Method: REG. CORE Capstone (CS) Course.

0101	Marsha Rozenblit W 4:00pm - 6:00pm Contact instructor or department for details.	Seats (Total: 8) KEY 0107

HIST419D **Special Topics in History; Islam in Europe**

HIST419D Special Topics in History: Islam in Europe; (3 credits) Grade Method: REG/P-F/AUD.

0101	Madeline Zilfi TuTh 9:30am - 10:45am	Seats (Total: 35) KEY 1117

HIST419K **Special Topics in History; Victorian London c. 1830-1900**
Contact department for information to register for this course.

HIST419M **Special Topics in History; Postwar Japan Through Film and Fiction**

HIST419M Special Topics in History: Postwar Japan Through Film and Fiction; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as ARHU308A and JAPN418B.

0101	Harol Kerkham, Marlene Mayo Tu 2:00pm - 4:00pm Th 2:00pm - 3:15pm	Seats (Total: 30) HBK 0109 HBK 0109

HIST419Q **Special Topics in History; Jews of Eastern Europe, 1580-1939**

HIST419Q Special Topics in History: Jews of Eastern Europe, 1580-1939; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as JWST419E.

0101	Rachel Manekin MW 2:00pm - 3:15pm	Seats (Total: 40) TYD 1101

HIST419W **Special Topics in History; Cinema and Colonialism**

HIST419W Special Topics in History: Cinema and Colonialism; (3 credits) Grade Method: REG/P-F/AUD.

0101	Paul Landau M 12:30pm - 1:45pm W 12:30pm - 1:45pm	Seats (Total: 35) HBK 0302J HBK 0108

HIST419X **Special Topics in History; India and the British Raj 1765-1914**
Contact department for information to register for this course.

HIST419Y **Special Topics in History; History of Slavery and the Slave Trade in Africa**

HIST419Y Special Topics in History: History of Slavery and the Slave Trade in Africa; (3 credits) Grade Method: REG/P-F/AUD.

0101	Hilary Jones TuTh 2:00pm - 3:15pm	Seats (Total: 35) KEY 0103

HIST419Z **Special Topics in History; United States-East Asian Relations from Pearl Harbor to Vietnam**

HIST419Z Special Topics in History: United States-East Asian Relations from Pearl Harbor to Vietnam; (3 credits) Grade Method: REG/P-F/AUD.

0101	Shu Zhang MW 1:00pm - 2:15pm	Seats (Total: 30) KEY 0120

HIST427 **Age of Decline: Britain 1914 to Present**
Contact department for information to register for this course.

HIST428C **Selected Topics in History; Riot, Law and Justice in European History**

HIST428C Selected Topics in History: Riot, Law and Justice in European History; (3 credits) Grade Method: REG/P-F/AUD.

0101	Donald Sutherland M 1:00pm - 3:30pm	Seats (Total: 18) TLF 2108

HIST428D **Selected Topics in History; Britain, Ireland and Democracy 1860-1922**
Contact department for information to register for this course.

HIST428E **Selected Topics in History; Witchcraft, Magic and Religion in England**
Contact department for information to register for this course.

HIST428I **Selected Topics in History; Poverty and Social Policy in the U.S.**

HIST428I Selected Topics in History: Poverty and Social Policy in the U.S.; (3 credits) Grade Method: REG/P-F/AUD.

0101	Sonya Michel TuTh 11:00am - 12:15pm	Seats (Total: 35) KEY 0126

HIST428J **Selected Topics in History; Antisemitism and Jewish Response**

HIST428J Selected Topics in History: Antisemitism and Jewish Response; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as JWST419N.

0101	Bernard Cooperman TuTh 9:30am - 10:45am	Seats (Total: 35) KEY 0126

HIST428K **Selected Topics in History; Women and Gender in Israel**

HIST428K Selected Topics in History: Women and Gender in Israel; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as JWST419K.

0101	Nina Spiegel TuTh 11:00am - 12:15pm	Seats (Total: 35) PLS 1113

HIST428L **Selected Topics in History; Women and Gender in Africa**

HIST428L Selected Topics in History: Women and Gender in Africa; (3 credits) Grade Method: REG/P-F/AUD.

0101	Hilary Jones Tu 10:00am - 12:30pm	Seats (Total: 18) TLF 2100

HIST428M **Selected Topics in History; Immigration History**

HIST428M Selected Topics in History: Immigration History; (3 credits) Grade Method: REG/P-F/AUD.

0101	Julie Greene TuTh 9:30am - 10:45am	Seats (Total: 35) KEY 0116

HIST428N **Selected Topics in History; Communication in Early America**

HIST428N Selected Topics in History: Communication in Early America; (3 credits) Grade Method: REG/P-F/AUD.

0101	Richard Bell TuTh 9:30am - 10:45am	Seats (Total: 33) TLF 2103

HIST428R **Selected Topics in History; Transition to Islam: From the Ancient to the Medieval Muslim World**

HIST428R Selected Topics in History: Transition to Islam: From the Ancient to the Medieval Muslim World; (3 credits) Grade Method: REG/P-F/AUD.

0101	Antoine Borrut MW 2:00pm - 3:15pm	Seats (Total: 35) KEY 0125

HIST428T **Selected Topics in History; Wealth and Poverty in the Modern United States**

HIST428T Selected Topics in History: Wealth and Poverty in the Modern United States; (3 credits) Grade Method: REG/P-F/AUD.

0101	David Freund MW 10:00am - 11:15am	Seats (Total: 35) KEY 0126

HIST428V **Selected Topics in History; Eastern European History**

HIST428V Selected Topics in History: Eastern European History; (3 credits) Grade Method: REG/P-F/AUD.

0101	John Lampe	Seats (Total: 7)
	Tu 3:30pm - 6:00pm	TLF 2110

HIST428W **Selected Topics in History; Public Culture in Israel**

HIST428W Selected Topics in History: Public Culture in Israel; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as JWST419W.

0101	Nina Spiegel	Seats (Total: 35)
	TuTh 2:00pm - 3:15pm	KEY 0125

HIST428Y **Selected Topics in History; Colonial Encounters: Natives, Spainards, and Africas in the New World**

HIST428Y Selected Topics in History: Colonial Encounters: Natives, Spainards, and Africas in the New World; (3 credits) Grade Method: REG/P-F/AUD.

0101	Alejandro Caneque	Seats (Total: 30)
	MW 11:00am - 12:15pm	KEY 0125

HIST429G **Special Topics in History; South Asia Diaspora**

HIST429G Special Topics in History: South Asia Diaspora; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as AAST498J and WMST498W.

0101	Jyoti Mohan	Seats (Total: 35)
	F 12:00pm - 2:30pm	PLS 1111

HIST429L **Special Topics in History; Knowing Our History: African American Slavery and the University of Maryland II**

HIST429L *(PermReq)* **Special Topics in History: Knowing Our History: African American Slavery and the University of Maryland II; (3 credits)** Grade Method: REG/P-F/AUD.

0101	Herbert Brewer, Ira Berlin MW 10:00am - 11:15am	Seats (Total: 25) TLF 2110

HIST429V **Special Topics in History; Immigration and Ethnicity in the United States**

HIST429V Special Topics in History: Immigration and Ethnicity in the United States; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as AAST498L.

0101	George Wu W 5:00pm - 7:30pm	Seats (Total: 30) ASY 3207

HIST431 **Stuart England**

HIST431 Stuart England; (3 credits) Grade Method: REG/P-F/AUD.
An examination of the political, religious and social forces in English life, 1603-1714, with special emphasis on Puritanism and the English revolutions.

0101	Sabrina Baron MW 9:00am - 10:15am	Seats (Total: 35) KEY 0116

HIST440 **Germany in the Nineteenth Century, 1815-1914**
Contact department for information to register for this course.

HIST441 **Germany in the Twentieth Century: 1914-Present**

HIST441 Germany in the Twentieth Century: 1914-Present; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: HIST113 or HIST240; or permission of instructor. Germany's aims and policies during World War I, its condition and policies in the inter-war period, the rise of National Socialism, World War II, and post-war Germany.

0101	Jeffrey Herf MW 10:00am - 11:15am	Seats (Total: 35) KEY 1117

HIST453 **Diplomatic History of the United States from 1914**

HIST453 Diplomatic History of the United States from 1914; (3 credits) Grade Method: REG/P-F/AUD.
American foreign relations in the 20th-century. World War I, the Great Depression, World War II, the Cold War, the Korean War, and Vietnam. A continuation of HIST452.

0101	Shu Zhang	Seats (Total: 30)
	MW 10:00am - 11:15am	ARM 0121

HIST457 **History of American Culture and Ideas Since 1865**

HIST457 History of American Culture and Ideas Since 1865; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: HIST157, HIST211, HIST213, HIST222, HIST255, HIST265, or HIST275; or permission of instructor. A continuation of HIST456, from the Civil War to the present.

0101	Saverio Giovacchini	Seats (Total: 35)
	TuTh 9:30am - 10:45am	KEY 0103

HIST461 **Blacks in American Life: 1865 to Present**

HIST461 Blacks in American Life: 1865 to Present; (3 credits) Grade Method: REG/P-F/AUD. CORE Diversity (D) Course.
Prerequisite: HIST157, HIST210, HIST211, HIST222, HIST254, HIST255, HIST265, or HIST275; or permission of instructor. The role of the Black in America since slavery, with emphasis on 20th-century developments: migration from farm to city; growth of the civil rights movement; the race question as a national problem.

0101	Alfred Moss	Seats (Total: 35)
	TuTh 9:30am - 10:45am	COL 0102

HIST462 **The United States Civil War**

HIST462 The United States Civil War; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: HIST156, HIST210, HIST213, HIST222, HIST254, or HIST275; or permission of instructor.* Causes of the Civil War; sectional politics and secession; resources and strategy of the Confederacy and the Union; changing character of the war; emancipation and its consequences: economic, social and political conditions on the home front; and the wartime origins of Reconstruction. Not a military history course; little attention to the tactics of particular battles.

0101	Leslie Rowland	Seats (Total: 40)
	MW 2:00pm - 3:15pm	KEY 1117

HIST473 **History of the Caribbean**

HIST473 History of the Caribbean; (3 credits) Grade Method: REG/P-F/AUD. CORE Diversity (D) Course.
Offers a concise introduction to the history of the Caribbean regions from the Columbian voyages to the 20th-century. Special emphasis is given to the dynamics of local social and cultural formations within the framework of the political and economic history of the Atlantic world.

0101	David Sartorius	Seats (Total: 33)
	MW 9:30am - 10:45am	TLF 2103

HIST483 **History of Japan Since 1800**

HIST483 History of Japan Since 1800; (3 credits) Grade Method: REG/P-F/AUD. Japan's renewed contact with the Western world and emergence as a modern state, industrial society, and world power, 1800-1931; and Japan's road to war, occupation, and recovery, 1931 to the present.

0101	Marlene Mayo	Seats (Total: 33)
	TuTh 11:00am - 12:15pm	KEY 0103

HIST493 **Victorian Women in England, France, and the United States**

HIST493 Victorian Women in England, France, and the United States; (3 credits) Grade Method: REG/P-F/AUD. CORE Diversity (D) Course.
Also offered as WMST453. Credit will be granted for only one of the following: HIST493 or WMST453. Examines the lives of middle and upper-class women in England, France, and the United States during the Victorian era. Topics include gender roles, work, domesticity, marriage, sexuality, double standards, and women's rights.

0101	Gay Gullickson	Seats (Total: 18)
	TuTh 2:00pm - 3:15pm	KEY 2120

HIST499 **Independent Study**

HIST499 *(PermReq)* **Independent Study; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HIST600 **Historiography**

HIST600 Historiography; (3 credits) Grade Method: REG/AUD.
Historical writing and critical analysis of selected interpretations and generalizations made by leading historians with examples from both European and United States history.

0101	David Grimsted	Seats (Total: 12)
	W 3:30pm - 6:00pm	TLF 2110

HIST601 **History and Contemporary Theory**

HIST601 History and Contemporary Theory; (3 credits) Grade Method: REG/AUD.
An introduction to contemporary theories in philosophy, literary criticism, cultural studies, anthropology, and other fields; and analysis of their usefulness to historians. For majors only.

0101	Daryle Williams	Seats (Total: 12)
	Tu 1:00pm - 3:30pm	TLF 2108

HIST607 **The Teaching of History in Institutions of Higher Learning**

HIST607 The Teaching of History in Institutions of Higher Learning; (1 credit) Grade Method: S-F.
For majors only.

0101	Daryle Williams Contact instructor or department for details. *Permission required.*	Seats (Total: 10)
0201	Gay Gullickson Contact instructor or department for details. *Permission required.*	Seats (Total: 10)

HIST608B **General Seminar; American History**

HIST608B *(PermReq)* **General Seminar: American History; (3 credits)** Grade Method: REG/AUD.
Prerequisite: permission of department.

0101	David Freund M 1:00pm - 3:30pm	Seats (Total: 12) TLF 2110

HIST608I **General Seminar; 19th Century Latin America**

HIST608I *(PermReq)* **General Seminar: 19th Century Latin America; (3 credits)** Grade Method: REG/AUD.

0101	David Sartorius W 3:30pm - 6:00pm	Seats (Total: 12) HZF 0128B

HIST610 **Introduction to Museum Scholarship**

HIST610 Introduction to Museum Scholarship; (3 credits) Grade Method: REG/AUD.
Restricted to graduate students in American Studies, Anthropology, Historic Preservation, or History (including HILS), or others by permission of department. Also offered as AMST 655. Credit will be granted for only one of the following: AMST 638C, AMST 655, HIST 610, or HIST 619C. Formerly HIST619C. Provides students a basic understanding of museums as cultural and intellectual institutions. Topics include the historical development of museums, museums as resources for scholarly study, and the museum exhibition as medium for presentation of scholarship.

0101	Ellen Hughes, Bernard Finn W 4:00pm - 6:40pm	Seats (Total: 15) Location: TBA

HIST619A **Special Topics in History; Independent Study**

HIST619A *(PermReq)* **Special Topics in History: Independent Study; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: permission of department.

Contact department for information to register for this course.

HIST619B **Special Topics in History; Independent Study**

HIST619B *(PermReq)* **Special Topics in History: Independent Study; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: permission of department.

Contact department for information to register for this course.

HIST619D **Special Topics in History; Readings in the History of the Early Modern Iberian World**

HIST619D Special Topics in History: Readings in the History of the Early Modern Iberian World; (3 credits) Grade Method: REG/AUD.

0101	Alejandro Caneque W 6:30pm - 9:00pm	Seats (Total: 12) HZF 0128B

HIST619F **Special Topics in History; Stalinism and Nazism**

HIST619F Special Topics in History: Stalinism and Nazism; (3 credits) Grade Method: REG/AUD.

0101	Michael David-Fox Th 3:30pm - 6:00pm	Seats (Total: 12) TLF 2108

HIST619G **Special Topics in History; Problems of Pre-Modernity**
Contact department for information to register for this course.

HIST619N **Special Topics in History; Immigration and Ethnicity in the United States**

HIST619N Special Topics in History: Immigration and Ethnicity in the United States; (3 credits) Grade Method: REG/AUD.
Also offered as AMST629K.

0101	Lisa Mar	Seats (Total: 12)
	W 3:30pm - 6:00pm	TLF 2100

HIST619P **Special Topics in History; The United States, Empire, and the World**

HIST619P Special Topics in History: The United States, Empire, and the World; (3 credits) Grade Method: REG/AUD.

0101	Julie Greene	Seats (Total: 12)
	Th 1:00pm - 3:30pm	TLF 2110

HIST619Q **Special Topics in History; Readings in Military History**

HIST619Q Special Topics in History: Readings in Military History; (3 credits) Grade Method: REG/AUD.

0101	Jon Sumida	Seats (Total: 12)
	Tu 6:30pm - 9:00pm	TLF 2108

HIST619T **Special Topics in History; Global Environmental History**

HIST619T Special Topics in History: Global Environmental History; (3 credits) Grade Method: REG/AUD.

0101	Thomas Zeller	Seats (Total: 12)
	W 1:00pm - 3:30pm	TLF 2103

HIST619W **Special Topics in History; Polybius and The Rise of Rome to World Power**

HIST619W Special Topics in History: Polybius and The Rise of Rome to World Power; (3 credits) Grade Method: REG/AUD.

0101	Arthur Eckstein	Seats (Total: 12)
	Th 3:30pm - 6:00pm	TLF 2100

HIST628 **Readings in Colonial American History to 1763**

HIST628 Readings in Colonial American History to 1763; (3 credits) Grade Method: REG/AUD.

0101	Clare Lyons M 6:00pm - 8:30pm	Seats (Total: 12) TLF 2108

HIST708 **Directed Independent Reading for Comprehensive Examinations I**

HIST708 Directed Independent Reading for Comprehensive Examinations I; (1-4 credits) Grade Method: S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HIST709 **Directed Independent Reading for Comprehensive Examinations II**

HIST709 Directed Independent Reading for Comprehensive Examinations II; (1-4 credits) Grade Method: S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HIST758 **Readings in Eastern European History**

HIST758 Readings in Eastern European History; (3 credits) Grade Method: REG/AUD.

0101	John Lampe Tu 3:30pm - 6:00pm	Seats (Total: 5) TLF 2110

HIST799 **Master's Thesis Research**

HIST799 *(PermReq)* **Master's Thesis Research; (1-6 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HIST811 **Museum Scholarship Practicum**

HIST811 Museum Scholarship Practicum; (3-6 credits) Grade Method: REG. *Prerequisite: HIST810 and permission of Museum Scholarship Program. Credit will be granted for only one of the following: AMST857 or HIST811.* Students devise and carry out a research program using the collections at the Smithsonian Institution or some other cooperating museum, working under joint supervision of a museum professional and a university faculty member. Also offered as AMST857.

0101	Nancy Struna	Seats (Total: 5)
	Contact instructor or department for details.	
0401	Mary Sies	Seats (Total: 5)
	Contact instructor or department for details.	

HIST819A **Special Topics in History: Independent Research**

HIST819A Special Topics in History: Independent Research; (1-3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HIST819B **Special Topics in History: Independent Research**

HIST819B Special Topics in History: Independent Research; (1-3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HIST819O **Special Topics in History: Independent Research; Writing on the American Social History**

HIST819O Special Topics in History: Independent Research: Writing on the American Social History; (3 credits) Grade Method: REG/AUD.

0101	Ira Berlin	Seats (Total: 12)
	W 1:00pm - 3:30pm	TLF 2110

HIST819T **Special Topics in History: Independent Research; Selected Topics in the History of the Modern Middle East**

HIST819T Special Topics in History: Independent Research: Selected Topics in the History of the Modern Middle East; (1-3 credits) Grade Method: REG/AUD.

0101	Peter Wien	Seats (Total: 12)
	W 1:00pm - 3:30pm	KEY 0107

HIST848 **Seminar in Modern European History**

HIST848 Seminar in Modern European History; (3 credits) Grade Method: REG/AUD.

0101	Jeffrey Herf	Seats (Total: 12)
	W 1:00pm - 3:30pm	TLF 2108

HIST898 **Pre-Candidacy Research**

HIST898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HIST899 **Doctoral Dissertation Research**

HIST899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HLSA Health Services Administration Spring 2009

HLSA287 **Adult Health and Development Program**

HLSA287 Adult Health and Development Program; (3 credits) Grade Method: REG/P-F/AUD. CORE Diversity (D) Course.
Not open to students who have completed HLTH487. Credit will be granted for only one of the following: HLHP287, HLTH487, HLSA287, or SPHL287. Formerly SPHL287. Application of gerontological health and well-being theories in a one-to-one interaction with older institutionalized and non-institutionalized adults. Students act as "coaches" with adults, while learning about the historical and cultural aspects of aging and old age, and their implications for assisting elderly adults. Class will meet for the first session in SPH1312.

0101	Maushami DeSoto	Seats (Total: 60)
	Meets January 31, 2009 - May 9, 2009	
	Sa 8:30am - 1:30pm	SPH 1312

HLSA601 **Introduction to Health Systems**

HLSA601 Introduction to Health Systems; (3 credits) Grade Method: REG/AUD. *Formerly: HLTH688A or HLTH740. Not open to students who have completed HLTH688A or HLTH740. Credit will be granted for only one of the following: HLSA601, HLTH688A, or HLTH740.* Management and leadership skills for effective public health planning, organization, management and administration. Emphasis is on the role of institutions in learning and behavioral change process, organizational theory, administration management, and coordinating provision of community health services.

0101	Elliot Segal	Seats (Total: 30)
	W 4:00pm - 6:45pm	JMP 1109

HLSA688 **Independent Study**

HLSA688 *(PermReq)* **Independent Study; (1-6 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HLSA689 **Field Work in Aging**

HLSA689 *(PermReq)* **Field Work in Aging; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HLSA702 **Policy and Politics of Health**

HLSA702 Policy and Politics of Health; (3 credits) Grade Method: REG/AUD. Organizational and financial components of teh U.S. health care system, including social and political forces that bind the system. Advanced political analysis of the health care system, including key issues and problems.

0101	Lori Simon-Rusinowitz Th 1:00pm - 3:45pm	Seats (Total: 25) SPH 0305

HLSA711 **Health Economics and Analysis**

HLSA711 Health Economics and Analysis; (3 credits) Grade Method: REG/AUD. Provides an analysis of health and health care services as economic goods. Using microeconomic theories, we will examine the behavior of health care providers, consumers, markets, and firms.

0101	Jack Meyer W 1:00pm - 3:45pm	Seats (Total: 25) SPH 0307

HLSA740 **Healthcare Strategic Planning and Marketing**

HLSA740 Healthcare Strategic Planning and Marketing; (3 credits) Grade Method: REG/AUD.
For HLSA majors only. Provides an understanding of strategic management and marketing enabling the student to lead the process of strategic planning in a health care organization. By conducting a marketing and strategic planning process, health care organizations are better able to cope with dramatic changes in technological, social, political, regulatory, and competitive aspects of the health care market. Through course reading, class discussion, analyses of secondary quantitative and qualitative data, and presentation of case studies, students gain a thorough understanding of the process of strategic management.

0101	Christopher King Tu 7:00pm - 9:45pm	Seats (Total: 25) SPH 0305

HLSA772 **Healthcare Leadership and Communications**

HLSA772 Healthcare Leadership and Communications; (3 credits) Grade Method: REG/AUD.
Health care administrators rely on transformational leadership skills and insights to help their organizations rise to the social financial, public health, and technological challenges of the future. Students will assess and develop their leadership strengths, apply key leadership communication principles, and critically analyze relevent leadership models, exploring their utility in addressing key leadership issues in health care organizations. An underlying theme will be the identification of core values involved in health care delivery, integration of those values in personal and organizational missions, and effective communication to stakeholders.

0101	Tracey Manning	Seats (Total: 25)
	Tu 1:00pm - 3:45pm	SPH 0305

HLSA785 **Internship in Public Health**

HLSA785 *(PermReq)* **Internship in Public Health; (3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: permission of department. Internship and seminar providing an opportunity to apply previously acquired knowledge and skills in a health or allied health organization. Setting of the internship will depend upon the student's background and career goals.

Contact department for information to register for this course.

HLSA786 **Capstone Project in Public Health**

HLSA786 *(PermReq)* **Capstone Project in Public Health; (3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: permission of department. Capstone experience provding opportunity to apply knowledge and skills to a specific public health problem or issue. Completion of project relevant to public health under the direction of an advisor.

Contact department for information to register for this course.

HLSA799 **Master's Thesis Research**

HLSA799 *(PermReq)* **Master's Thesis Research; (1-6 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HLSA898 **Pre-Candidacy Research**

HLSA898 *(PermReq)* **Pre-Candidacy Research; (1-8 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HLSA899 **Doctoral Dissertation Research**

HLSA899 *(PermReq)* **Doctoral Dissertation Research; (1-8 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HLTH Health Spring 2009

HLTH106 **Drug Use and Abuse**

HLTH106 Drug Use and Abuse; (3 credits) Grade Method: REG/P-F/AUD.
An interdisciplinary analysis of contemporary drug issues and problems. The course will examine physiological, psychological, social, philosophical, historical, legal and health aspects of drug use and abuse. Special attention will be focused on those general motivations for drug use that attend life on the college campus.

0101	Kenneth Beck TuTh 12:30pm - 1:45pm	Seats (Total: 40) SPH 1302
0201	Maria Ko Class time/details on ELMs *This course will meet online.*	Seats (Total: 50) ONLINE

HLTH130 **Introduction to Public and Community Health**

HLTH130 Introduction to Public and Community Health; (3 credits) Grade Method: REG/P-F/AUD.

Not open to non-majors with more than 60 credits. Not open to students who have completed HLTH105. Credit will be granted for only one of the following: HLTH105 or HLTH130. Formerly HLTH105. An introduction to the theory and practice of public and community health. The influence of public health professionals on the past, present, and future health status of society through the examination of critical health issues will be described. Programming models, theories and policy development are included. Attendence is expected on the first day of class.

0101	Robert Feldman TuTh 2:00pm - 3:15pm	Seats (Total: 30) SPH 1303
0201	Maria Ko TuTh 11:00am - 12:15pm	Seats (Total: 30) SPH 0307
0301	Brian Gilchrist MWF 10:00am - 10:50am	Seats (Total: 30) SPH 1302

HLTH140 **Personal and Community Health**

HLTH140 Personal and Community Health; (3 credits) Grade Method: REG/P-F/AUD.

Meaning and significance of physical, mental and social health as related to the individual and to society; important phases of national health problems; constructive methods of promoting health of the individual and the community.

0101	Maria Ko TuTh 9:30am - 10:45am	Seats (Total: 200) SPH 1312
0201	Denise Bellows MWF 9:00am - 9:50am	Seats (Total: 40) SPH 1301
0301	Maria Ko TuTh 2:00pm - 3:15pm	Seats (Total: 40) SPH 1302

HLTH230 **Introduction to Health Behavior**

HLTH230 Introduction to Health Behavior; (3 credits) Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course.
Pre- or corequisite: HLTH130. For HLTH majors only. Psychological, social psychological, and sociological approaches to the following health areas: development of health attitudes and behavior, patient-provider interaction and the organization of health care.

0101	Nancy Atkinson MWF 11:00am - 11:50am	Seats (Total: 40) SPH 1303
0201	Kenneth Beck TuTh 9:30am - 10:45am	Seats (Total: 40) SPH 1303
0301	Cheryl Holt Th 4:00pm - 6:45pm *This section is for Community Health majors only.*	Seats (Total: 40) SPH 1303

HLTH285 **Controlling Stress and Tension**

HLTH285 Controlling Stress and Tension; (3 credits) Grade Method: REG/P-F/AUD. CORE Interdisciplinary & Emerging Issues (IE) Course.
Health problems related to stress and tension. Analysis of causative psychosocial stressors and intervening physiological mechanisms. Emphasis on prevention and control of stress through techniques such as biofeedback, meditation and neuromuscular relaxation.

0101	Mark Saffer MW 11:00am - 12:15pm	Seats (Total: 185) SPH 1312

HLTH289 **Topical Investigations**

HLTH289 Topical Investigations; (1-3 credits) Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HLTH377 **Human Sexuality**

HLTH377 Human Sexuality; (3 credits) Grade Method: REG/P-F/AUD.
The biological and developmental aspects of human sexuality; the psychological and emotional aspects of sexual behavior; sexual identity; the historical, cultural, social, linguistic, legal and moral forces affecting sexual issues; the importance of communication, disclosure and intimacy in interpersonal relationships; and research trends in the area of human sexuality. This course is restricted to students with greater than 60 credits.

0101	Robin Sawyer TuTh 11:00am - 12:15pm	Seats (Total: 200) SPH 1312
0201	Kimberly Heffernan MWF 11:00am - 11:50am	Seats (Total: 40) SPH 1301
0301	Kimberly Heffernan MWF 10:00am - 10:50am	Seats (Total: 40) SPH 1301
SG91	Iris Allen Tu 2:00pm - 4:40pm	Seats (Total: 60) SGI 203 *This section is restricted to BMGT-Shady Grove majors who need to fulfi l the Advanced Study requirement. This section is for junior Accountin g, Marketing and international Business majors or senior Entrepreneurshi p majors.*

HLTH380 **Peer Education: Alcohol and Other Drugs**
Contact department for information to register for this course.

HLTH381 **Peer Education: Stress Management**
Contact department for information to register for this course.

HLTH382 **Peer Education: Sexuality and Communication**
Contact department for information to register for this course.

HLTH383 **Peer Education: Reproductive Health**
Contact department for information to register for this course.

HLTH386 **Experiential Learning**

HLTH386 *(PermReq)* **Experiential Learning; (3-6 credits)** Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: permission of department. Junior standing.

Contact department for information to register for this course.

HLTH388E **Peer Education; Eating Disorders**
Contact department for information to register for this course.

HLTH388V **Peer Education; Victim Advocates**
Contact department for information to register for this course.

HLTH389 **Topical Investigations**

HLTH389 Topical Investigations; (1-3 credits) Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HLTH391 **Principles of Community Health I**

HLTH391 *(PermReq)* **Principles of Community Health I; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisites: HLTH140 and HLTH230. For HLTH majors only. Broad overview of community health. Health promotion, consumer health, public health, school health, environmental health, preventive medicine, human biology and the health care system are examined. Each area's contribution to community health is discussed.

0101	Candace Parker TuTh 11:00am - 12:15pm	Seats (Total: 35) SPH 1303
0201	Sharon Desmond TuTh 12:30pm - 1:45pm	Seats (Total: 30) SPH 0307
0301	Candace Parker M 4:00pm - 6:45pm	Seats (Total: 35) SPH 1303

HLTH420 **Methods and Materials in Health Education**

HLTH420 *(PermReq)* **Methods and Materials in Health Education; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisites: HLTH105 or HLTH140. The purpose of this course is to present the interrelationships of curriculum planning, methodology and the selection and use of teaching aids and materials. Special problems associated with health teaching are discussed. Students become familiar with a variety of resources as well as with planning for and presenting demonstration lessons.

0101	Robin Sawyer TuTh 9:30am - 10:45am	Seats (Total: 20) SPH 0303
0201	Katherine Sharp TuTh 11:00am - 12:15pm	Seats (Total: 20) SPH 0303

HLTH430 **Health Education in the Workplace**

HLTH430 Health Education in the Workplace; (3 credits) Grade Method: REG/P-F/AUD.
A survey of the role of health education in work settings. Examination of occupational stress, the health effects of shift work, women's health in the workplace, health education approaches to informing workers and management, and health promotion programs in the workplace.

0101	Robert Feldman M 4:00pm - 6:45pm	Seats (Total: 35) SPH 1302

HLTH437 **Consumer Behavior**

HLTH437 Consumer Behavior; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisites: PSYC100; and SOCY100. An application of the behavioral sciences to a study of consumer behavior. Current theories, models and empirical research findings are explored.

0101	Bradley Boekeloo MWF 1:00pm - 1:50pm	Seats (Total: 35) SPH 1301

HLTH471 **Women's Health**

HLTH471 Women's Health; (3 credits) Grade Method: REG/P-F/AUD. CORE Diversity (D) Course.
Also offered as WMST471. Credit will be granted for only one of the following: HLT471 or WMST471. The historical, physiological, psychological, and sociological mechanisms which contribute to women's health. Topics will include gynecological concerns and reproductive health; nutrition, exercise; violence; substance use/abuse; and the health of special populations.

0101	Martha Reynolds TuTh 12:30pm - 1:45pm	Seats (Total: 35) SPH 1301
0201	Martha Reynolds TuTh 9:30am - 10:45am	Seats (Total: 35) SPH 1302
0301	Carolyn Voorhees MWF 12:00pm - 12:50pm	Seats (Total: 30) SPH 0302

HLTH476 **Death Education**

HLTH476 Death Education; (3 credits) Grade Method: REG/P-F/AUD. Examination of the genesis and development of present day death attitudes and behavior by use of a multidisciplinary life cycle approach.

0101	Pamela Manning MWF 8:00am - 8:50am	Seats (Total: 40) SPH 1302
0201	Pamela Manning MWF 9:00am - 9:50am	Seats (Total: 40) SPH 1302

HLTH489 **Field Laboratory Projects and Workshop**

HLTH489 *(PermReq)* **Field Laboratory Projects and Workshop; (1-6 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HLTH490 **Principles of Community Health II**

HLTH490 *(PermReq)* **Principles of Community Health II; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: HLTH391. Students will be involved in the applied aspects of community health education. They will work with specific local community groups, planning, developing, implementing and evaluating a community health project. Health agencies and community health marketing techniques will be investigated.

0101	Candace Parker MW 11:00am - 12:15pm	Seats (Total: 25) SPH 1302
0201	Candace Parker MW 12:30pm - 1:45pm	Seats (Total: 25) SPH 1302

HLTH491 **Community Health Internship**

HLTH491 Community Health Internship; (12 credits) Grade Method: S-F.
For community health majors only. Prerequisite: HLTH490. Integrating theory with practice in a community health setting.

0101	Anne Anderson-Sawyer W 2:00pm - 5:00pm Contact instructor or department for details.	Seats (Total: 80) Location: TBA

HLTH498A **Special Topics in Health; Massage Therapy & Stress**

HLTH498A Special Topics in Health: Massage Therapy & Stress; (3 credits) Grade Method: REG/P-F/AUD.

0101	Geoffrey Gilbert M 3:00pm - 5:30pm	Seats (Total: 40) SPH 0107

HLTH498O **Special Topics in Health; Health Opinion Leaders**
Contact department for information to register for this course.

HLTH498P **Special Topics in Health; Peer Mentors**
Contact department for information to register for this course.

HLTH665 **Health Behavior I**

HLTH665 Health Behavior I; (3 credits) Grade Method: REG/AUD.
The psychological, social psychological, and sociological theories of health behavior. The relation of health knowledge, beliefs, attitudes, intentions, and behavior to preventive, illness, sick-role, and health utilization behaviors. For CHED and PCHL majors only.

0101	Robert Feldman W 4:00pm - 6:45pm	Seats (Total: 25) SPH 0302

HLTH666 **Health Behavior II**

HLTH666 Health Behavior II; (3 credits) Grade Method: REG/AUD.
Prerequisite: HLTH 665. An advanced course with intensive training in health behavior research and the opportunity to carry out original research in health behavior. Patient-provider interaction, patient cooperation with medical treatment and other social and psychological influences on health care.

0101	Sharon Desmond Th 4:00pm - 6:45pm	Seats (Total: 25) SPH 0303

HLTH670 **Public Health Informatics and Communications**

HLTH670 Public Health Informatics and Communications; (3 credits) Grade Method: REG.
For CHED and PCHL majors only. Not open to students who have completed HLTH 688M. Credit will be granted for only one of the following: HLTH 670 or HLTH 688M. Formerly HLTH688M. Explores the use of current technology and communication techniques in the areas of public health research, planning, intervention and evaluation.

0101	Nancy Atkinson Tu 4:00pm - 6:45pm *For CHED and PHCL majors only.*	Seats (Total: 25) SPH 0307

HLTH688 **Special Problems in Health Education**

HLTH688 *(PermReq)* **Special Problems in Health Education; (1-6 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HLTH688F **Special Problems in Health Education; Prevention Science and Public Health**

HLTH688F Special Problems in Health Education: Prevention Science and Public Health; (3 credits) Grade Method: REG/AUD.

0101	Kerry Green	Seats (Total: 25)
	Tu 7:00pm - 9:45pm	SPH 1301

HLTH688G **Special Problems in Health Education; Geographic Information Systems in Public Health Surveillance**

HLTH688G Special Problems in Health Education: Geographic Information Systems in Public Health Surveillance; (3 credits) Grade Method: REG/AUD.
This is an online course. Tuition for this course is $425 per credit hour and there is a $60 online studies fee per student. Please email spoc@umd.edu with any questions.

DL01	Chiehwen Hsu	Seats (Total: 20)
	Meets March 2, 2009 - May 22, 2009	
	Class time/details on ELMs	ONLINE
	This course is only available to students in the Graduate Certificate o Professional Studies in Public Health Informatics program. For more information please visit http://www.professionalstudies.umd.edu/public/	

HLTH688V **Special Problems in Health Education; Public Health Information Systems**

HLTH688V Special Problems in Health Education: Public Health Information Systems; (3 credits) Grade Method: REG/AUD.
This is an online course. Tuition for this course is $425 per credit hour and there is a $60 online studies fee per student. Please e-mail spoc@umd.edu with any questions.

DL01	Chiehwen Hsu	Seats (Total: 20)
	Meets March 1, 2009 - May 22, 2009	
	Class time/details on ELMs	ONLINE
	This course is only available to students in the Graduate Certificate o Professional Studies in Public Health Informatics program. For more information please visit http://www.professionalstudies.umd.edu/public/	

HLTH711 **Advanced Research Methods in Health**

HLTH711 Advanced Research Methods in Health; (3 credits) Grade Method: REG/AUD.
Prerequisite: HLTH 710. For CHED and PCHL majors only. Quantitative techniques, advanced research methods and design issues.

0101	Min Wang Th 7:00pm - 9:45pm	Seats (Total: 25) SPH 0303

HLTH780 **Community Health**

HLTH780 Community Health; (3 credits) Grade Method: REG/AUD.
Not open to HLTH students who have completed HLTH740. Credit will be granted for only one of the following: HLTH740 or HLTH780. Overview of public health organizations, programs, and policies, including their structure and function, and their ability to change with changing community health needs. CHED and PCHL majors only.

0101	Sharon Desmond M 4:00pm - 6:45pm	Seats (Total: 25) SPH 0303

HLTH781 **Advanced Theory and Applications in Health**

HLTH781 *(PermReq)* **Advanced Theory and Applications in Health; (1 credit)** Grade Method: S-F.
Prerequisite: HLTH665, HLTH710, and permission of department. Credit will be granted for only one of the following: HLTH781, HLTH782, and HLTH783; or HLTH688D. Formerly HLTH688D. Seminar course to examine theory-based public health research through small group discussion between faculty and students.

0101	Bradley Boekeloo W 4:00pm - 4:50pm	Seats (Total: 5) SPH 0305

HLTH782 **Advanced Research Methods in Health**

HLTH782 *(PermReq)* **Advanced Research Methods in Health; (1 credit)** Grade Method: S-F.
Prerequisite: HLTH781 and permission of department. Credit will be granted for only one of the following: HLTH781, HLTH782, and HLTH783; or HLTH688D. Formerly HLTH688D. Seminar course to examine theory-based public health research through small group discussion between faculty and students.

0101	Bradley Boekeloo W 4:00pm - 4:50pm	Seats (Total: 5) SPH 0305

HLTH783 **Individual Research Plan in Health**

HLTH783 *(PermReq)* **Individual Research Plan in Health; (1 credit)** Grade Method: S-F.
Prerequisite: HLTH782 and permission of department. Credit will be granted for only one of the following: HLTH781, HLTH782, and HLTH783; or HLTH688D. Formerly HLTH688D. Seminar course to examine theory-based public health research through small group discussion between faculty and students.

0101	Bradley Boekeloo W 4:00pm - 4:50pm	Seats (Total: 5) SPH 0305

HLTH785 **Internship in Public Health**

HLTH785 *(PermReq)* **Internship in Public Health; (3 credits)** Grade Method: REG.
Prerequisites: {HLTH 665; and HLTH 775; and HLTH 780}; or permission of department. Internship and seminar providing an opportunity to apply previously aquired knowledge and skills in a health or allied health organization. Setting of the internship will depend upon the student's background and career goals.

0101	Anne Anderson-Sawyer W 7:00pm - 9:00pm Contact instructor or department for details.	Seats (Total: 25) SPH 0307

HLTH786 **Capstone Project in Public Health**

HLTH786 *(PermReq)* **Capstone Project in Public Health; (3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: All required course work and permission of department. For HLTH majors only. Capstone experience providing opportunity to apply knowledge and skills to a specific public health problem or issue. Completion of project relevant to public health under the direction of an advisor.

Contact department for information to register for this course.

HLTH799 **Master's Thesis Research**

HLTH799 *(PermReq)* **Master's Thesis Research; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HLTH898 **Pre-Candidacy Research**

HLTH898 *(PermReq)* **Pre-Candidacy Research; (1-8 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HLTH899 **Doctoral Dissertation Research**

HLTH899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

HONR Honors Spring 2009

HONR201 **Beginning Research**
Contact department for information to register for this course.

HONR208E **Honors Seminar: J.R.R. Tolkien: Author of the Century**

HONR208E Honors Seminar: J.R.R. Tolkien: Author of the Century; (3 credits) Grade Method: REG. CORE Literature (HL) Course.

0101	Verlyn Flieger MW 2:00pm - 3:15pm	Seats (Total: 20) SQH 3105

HONR208J **From Glass Boxes to Bunkers: Architecture, Power, and Public Policy**

HONR208J From Glass Boxes to Bunkers: Architecture, Power, and Public Policy; (3 credits) Grade Method: REG. CORE History or Theory of Arts (HA) Course.

0101	Jane Loeffler W 2:00pm - 4:30pm	Seats (Total: 20) ANA 0120

HONR209E **Attending the Blockbuster: Understanding the Cultural Impact of Temporary Exhibitions**

HONR209E Attending the Blockbuster: Understanding the Cultural Impact of Temporary Exhibitions; (3 credits) Grade Method: REG. CORE History or Theory of Arts (HA) Course.

0101	Henry Gregory MW 2:00pm - 3:15pm	Seats (Total: 20) ASY 3221

HONR209Y **Novels! Modern Fictions**

HONR209Y Novels! Modern Fiction; (3 credits) Grade Method: REG. CORE Literature (HL) Course.

0101	Sylvia O'Sullivan TuTh 12:30pm - 1:45pm	Seats (Total: 20) ANA 0100

HONR216 **In Search of Ancient Astronomies**

HONR216 In Search of Ancient Astronomies; (3 credits) Grade Method: REG. CORE Humanities (HO) Course. CORE Diversity (D) Course.
For HONR majors only. Not open to students who have completed HONR218A. Credit will be granted for only one of the following: HONR216 or HONR218A. Formerly HONR218A. An introduction to Archaeoastronomy, the interdisciplinary study of the astronomical practices, celestial lore, mythologies, religions, and cosmologies of ancient and indigenous peoples.

0101	John Carlson Tu 7:00pm - 9:30pm	Seats (Total: 20) ANA 0120
0201	John Carlson W 7:00pm - 9:30pm	Seats (Total: 20) ANA 0120

HONR218W **The Idea of Crime**

HONR218W The Idea of Crime; (3 credits) Grade Method: REG. CORE Behavioral and Social Science (SB) Course.

0101	John Laub Th 2:00pm - 4:30pm	Seats (Total: 20) JMZ 0120

HONR219P **Outsiders in Modern American Drama**

HONR219P Outsiders in Modern American Drama; (3 credits) Grade Method: REG. CORE Literature (HL) Course. CORE Diversity (D) Course.

0101	Korey Rothman MW 3:30pm - 4:45pm	Seats (Total: 20) EGR 3102

HONR219Q **Perspectives on the Cosmos: From the Ancient Philosophers to Modern Science**

HONR219Q Perspectives on the Cosmos: From the Ancient Philosophers to Modern Science; (3 credits) Grade Method: REG. CORE Humanities (HO) Course.

0101	Stacy McGaugh Tu 2:00pm - 4:30pm	Seats (Total: 20) PAC 1815

HONR219T **Honors Seminar: Surviving Natural Disasters: Learning from Hurricane Katrina, Big Earthquakes, and Other Natural Hazards**

HONR219T Honors Seminar: Surviving Natural Disasters: Learning from Hurricane Katrina, Big Earthquakes, and Other Natural Hazards; (3 credits) Grade Method: REG. CORE Interdisciplinary & Emerging Issues (IE) Course.

0101	Lewis Link M 2:00pm - 4:30pm	Seats (Total: 20) EGR 1110

HONR219Y **Merging the Multiple Me's: Developmental Origins of the Integrated Adult Self**

HONR219Y Merging the Multiple Me's: Developmental Origins of the Integrated Adult Self; (3 credits) Grade Method: REG. CORE Behavioral and Social Science (SB) Course.

0101	Ann Battle	Seats (Total: 20)
	M 1:00pm - 3:30pm	EDU 2102

HONR228R **Parenting and Poverty: The Effects of Growing Up Poor on Children's Development**

HONR228R Parenting and Poverty: The Effects of Growing Up Poor on Children's Development; (3 credits) Grade Method: REG. CORE Behavioral and Social Science (SB) Course.

0101	Natasha Cabrera	Seats (Total: 20)
	W 3:00pm - 5:30pm	HBK 0115

HONR228V **Warfare and Society in Greece, Rome, and Byzantium**

HONR228V Warfare and Society in Greece, Rome, and Byzantium; (3 credits) Grade Method: REG. CORE Social or Political History (SH) Course.

0101	Denis Sullivan	Seats (Total: 20)
	TuTh 3:30pm - 4:45pm	QAN 0108

HONR228W **Honors Seminar: The Ancient Roman City: Pompeii and Beyond**

HONR228W Honors Seminar: The Ancient Roman City: Pompeii and Beyond; (3 credits) Grade Method: REG. CORE History or Theory of Arts (HA) Course. Formerly offered as HONR208S.

0101	Robert Vann	Seats (Total: 20)
	Th 4:00pm - 6:30pm	ARC 1101

HONR228X **Introduction to the Earth-Life System**

HONR228X Introduction to the Earth-Life System; (3 credits) Grade Method: REG. CORE Physical Science (PS) Course.

0101	Raghu Murtugudde MW 10:00am - 11:15am	Seats (Total: 20) JMP 1109

HONR228Y **The Role of Gender in Family Life**

HONR228Y The Role of Gender in Family Life; (3 credits) Grade Method: REG. CORE Behavioral and Social Science (SB) Course. CORE Diversity (D) Course.

0101	Leigh Leslie TuTh 12:30pm - 1:45pm	Seats (Total: 20) MMH 1402

HONR229A **Honors Seminar: The Sociology of Social Problems**

HONR229A Honors Seminar: The Sociology of Social Problems; (3 credits) Grade Method: REG. CORE Behavioral and Social Science (SB) Course.

0101	Ernest Quimby MW 5:00pm - 6:15pm	Seats (Total: 20) JMZ 3203

HONR229C **Information Extraction and Integration**

HONR229C Information Extraction and Integration; (3 credits) Grade Method: REG. CORE Interdisciplinary & Emerging Issues (IE) Course.

0101	Massimiliano Albanese TuTh 3:30pm - 4:45pm	Seats (Total: 20) CSI 2120

HONR229D **Honors Seminar: Journalists as Story Tellers, from "New Journalism" to the Digital Age**

HONR229D Honors Seminar: Journalists as Story Tellers, from "New Journalism" to the Digital Age; (3 credits) Grade Method: REG. CORE Literature (HL) Course.

0101	Lucinda Fleeson MW 4:00pm - 5:15pm	Seats (Total: 20) HBK 0108

HONR229F **Honors Seminar: New Media Frontiers**

HONR229F Honors Seminar: New Media Frontiers; (3 credits) Grade Method: REG. CORE Interdisciplinary & Emerging Issues (IE) Course.

0101	Leslie Walker	Seats (Total: 20)	
	Th 12:30pm - 3:00pm	PLS 1129	

HONR229I **Honors Seminar: Sociology of the Economy and Markets**

HONR229I Honors Seminar: Sociology of the Economy and Markets; (3 credits) Grade Method: REG. CORE Behavioral and Social Science (SB) Course.

0101	Jonathon Mote	Seats (Total: 20)	
	MW 2:00pm - 3:15pm	EDU 3236	

HONR229O **Ancient Rome in Historical Fiction: Narratives, Sources and Screen Adaptations**

HONR229O Ancient Rome in Historical Fiction: Narratives, Sources and Screen Adaptations; (3 credits) Grade Method: REG. CORE Literature (HL) Course.

0101	Judith Hallett	Seats (Total: 20)	
	Tu 3:30pm - 5:30pm	ANA 0120	
	Th 3:30pm - 4:30pm	ANA 0100	Discussion

HONR229P **Mathematics and Art**

HONR229P Mathematics and Art; (3 credits) Grade Method: REG. CORE Mathematics or Formal Reasoning (MS) Course.

0101	Niranjan Ramachandran	Seats (Total: 20)	
	MW 10:00am - 11:30am	MTH 1311	

HONR238B **Honors Seminar: Images of Masculinity in Twentieth Century American Literature and Film**

HONR238B Honors Seminar: Images of Masculinity in Twentieth Century American Literature and Film; (3 credits) Grade Method: REG. CORE Literature (HL) Course.

0101	Sylvia O'Sullivan	Seats (Total: 20)	
	TuTh 11:00am - 12:15pm	ANA 0100	

HONR238D **Honors Seminar: The Contemporary American Musical Theatre: From Hair to Hairspray -- and Beyond**

HONR238D Honors Seminar: The Contemporary American Musical Theatre: From Hair to Hairspray; (3 credits) Grade Method: REG. CORE History or Theory of Arts (HA) Course. CORE Diversity (D) Course.

0101	Korey Rothman	Seats (Total: 20)
	MW 2:00pm - 3:15pm	EGR 3102

HONR238G **Honors Seminar: Thanatos: The Many Meanings of Death**

HONR238G Honors Seminar: Thanatos: The Many Meanings of Death; (3 credits) Grade Method: REG. CORE Humanities (HO) Course.

0101	Allen Fertziger	Seats (Total: 20)
	W 2:00pm - 4:30pm	QAN 0103

HONR238R **Honors Seminar: Terrorism**

HONR238R Honors Seminar: Terrorism; (3 credits) Grade Method: REG. CORE Social or Political History (SH) Course.

0101	Edwin Smead	Seats (Total: 20)
	M 3:30pm - 6:00pm	PLS 1184

HONR238X **Honors Seminar: The Holocaust and History**

HONR238X Honors Seminar: The Holocaust and History; (3 credits) Grade Method: REG. CORE Social or Political History (SH) Course.

0101	Eliyana Adler	Seats (Total: 20)
	TuTh 11:00am - 12:15pm	HZF 0142

HONR238Y **Honors Seminar: The Development of the Author in Literary History and Creative Writing**

HONR238Y Honors Seminar: The Development of the Author in Literary History and Creative Writing; (3 credits) Grade Method: REG. CORE Literature (HL) Course.

0101	Sylvia O'Sullivan TuTh 2:00pm - 3:15pm	Seats (Total: 20) ANA 0100

HONR239M **Honors Seminar: Renaissance to Enlightenment: People, Places, and Philosophies**

HONR239M Honors Seminar: Renaissance to Enlightenment: People, Places, and Philosophies; (3 credits) Grade Method: REG. CORE Social or Political History (SH) Course.

0101	Sabrina Baron MW 2:00pm - 3:15pm	Seats (Total: 20) JMZ 1124

HONR248M **Honors Seminar: Death and Afterlife in Ancient Egypt**

HONR248M Honors Seminar: Death and Afterlife in Ancient Egypt; (3 credits) Grade Method: REG. CORE Humanities (HO) Course.

0101	Marjorie Venit Th 2:00pm - 4:30pm	Seats (Total: 20) ASY 3217

HONR248W **Honors Seminar: America in the 1960's**

HONR248W Honors Seminar: America in the 1960's; (3 credits) Grade Method: REG. CORE Social or Political History (SH) Course.

0101	John Newman M 12:00pm - 2:30pm	Seats (Total: 20) ANA 0120
0102	John Newman Tu 9:30am - 12:00pm	Seats (Total: 20) EDU 3236

HONR249A **I, Too, Stage America: Multicultural Drama and the American Dream**

HONR249A I, Too, Stage America: Multicultural Drama and the American Dream; (3 credits) Grade Method: REG. CORE Literature (HL) Course. CORE Diversity (D) Course.

0101	Faedra Carpenter MW 1:00pm - 2:15pm	Seats (Total: 20) SYM 0209

HONR249E **Honors Seminar: Modern and Postmodern Music: Trends, Styles, Issues, and Ideas**

HONR249E Honors Seminar: Modern and Postmodern Music: Trends, Styles, Issues, and Ideas; (3 credits) Grade Method: REG. CORE History or Theory of Arts (HA) Course.

0101	James Fry	Seats (Total: 20)
	TuTh 2:00pm - 3:15pm	PAC 2164

HONR249K **Honors Seminar: The United States in Vietnam: A Crossroads in American Society**

HONR249K Honors Seminar: The United States in Vietnam: A Crossroads in American Society; (3 credits) Grade Method: REG. CORE Social or Political History (SH) Course.

0101	William Hammond	Seats (Total: 20)
	W 5:00pm - 7:30pm	PLS 1119

HONR249L **The Historical Development of London**
Contact department for information to register for this course.

HONR249M **Honors Seminar: The American South from a (Mostly) Sociological Perspective**

HONR249M Honors Seminar: The American South from a (Mostly) Sociological Perspective; (3 credits) Grade Method: REG. CORE Behavioral and Social Science (SB) Course. CORE Diversity (D) Course.

0101	William Falk	Seats (Total: 20)
	W 3:30pm - 6:00pm	QAN 0108

HONR249T **Honors Seminar: Winning and Losing at Globalization: Historical Perspectives**

HONR249T Honors Seminar: Winning and Losing at Globalization: Historical Perspectives; (3 credits) Grade Method: REG. CORE Social or Political History (SH) Course. CORE Diversity (D) Course.

0101	David Sicilia	Seats (Total: 20)
	TuTh 2:00pm - 3:15pm	ANA 0120

HONR249V **Honors Seminar: Lawyers and the Adversary System**

HONR249V Honors Seminar: Lawyers and the Adversary System; (3 credits) Grade Method: REG. CORE Humanities (HO) Course.

0101	Gary Pavela W 1:00pm - 3:30pm	Seats (Total: 20) ARM 0118

HONR258F **Honors Seminar: Incarceration Nation: Behind Bars in America**

HONR258F Honors Seminar: Incarceration Nation: Behind Bars in America; (3 credits) Grade Method: REG. CORE Social or Political History (SH) Course.

0101	Richard Bell TuTh 12:30pm - 1:45pm	Seats (Total: 20) KEY 0123

HONR258I **Honors Seminar: Religion, Ethnocentrism, and Terror**

HONR258I Honors Seminar: Religion, Ethnocentrism, and Terror; (3 credits) Grade Method: REG. CORE Behavioral and Social Science (SB) Course. CORE Diversity (D) Course.

0101	William Stuart TuTh 2:00pm - 3:15pm	Seats (Total: 20) LEF 1222

HONR258J **Honors Seminar: Supreme Law: The Constitution, Morality, and the Courts**

HONR258J Honors Seminar: Supreme Law: The Constitution, Morality, and the Courts; (3 credits) Grade Method: REG. CORE Humanities (HO) Course.

0101	Susan Dwyer TuTh 2:00pm - 3:15pm	Seats (Total: 20) MTH 1308

HONR258K **Honors Seminar: Shakespeare in History and in Performance: Words and Swords**

HONR258K Honors Seminar: Shakespeare in History and in Performance: Words and Swords; (3 credits) Grade Method: REG. CORE Literature (HL) Course.

0101	Maynard Mack TuTh 12:30pm - 1:45pm	Seats (Total: 20) ANA 0120

HONR258L **HIV/AIDS in Africa**

HONR258L HIV/AIDS in Africa; (3 credits) Grade Method: REG. CORE Behavioral and Social Science (SB) Course.

0101	Sangeetha Madhavan	Seats (Total: 20)
	Tu 2:00pm - 4:30pm	SQH 1123

HONR258P **Honors Seminar: Warriors and Mothers: Gender, Warfare, and Peace Movements**

HONR258P Honors Seminar: Warriors and Mothers: Gender, Warfare, and Peace Movements; (3 credits) Grade Method: REG. CORE Humanities (HO) Course. CORE Diversity (D) Course.

0101	Julie Koser	Seats (Total: 20)
	MW 2:00pm - 3:15pm	JMZ 2207

HONR258Q **Honors Seminar: Making Asian America: Politics and Popular Culture**

HONR258Q Honors Seminar: Making Asian America: Politics and Popular Culture; (3 credits) Grade Method: REG. CORE Social or Political History (SH) Course. CORE Diversity (D) Course.

0101	Clare Jen	Seats (Total: 20)
	Th 4:00pm - 6:30pm	TYD 2108

HONR258X **How People Do Things with Words: Discourse and Pragmatics in Japanese and English**

HONR258X How People Do Things with Words: Discourse and Pragmatics in Japanese and English; (3 credits) Grade Method: REG. CORE Humanities (HO) Course. CORE Diversity (D) Course.
No previous knowledge of Japanese is assumed or necessary for this cours e.

0101	Lindsay Yotsukura	Seats (Total: 20)
	TuTh 12:30pm - 1:45pm	JMZ 1103

HONR259D **Honors Seminar: Understanding the Japanese Through the Performing Arts**

HONR259D Honors Seminar: Understanding the Japanese Through the Performing Arts; (3 credits) Grade Method: REG. CORE History or Theory of Arts (HA) Course. CORE Diversity (D) Course.

0101	Miyuki Yoshikami	Seats (Total: 20)
	W 2:00pm - 4:30pm	ANA 0100

HONR268F **Honors Seminar: World Popular-Folk Music and Politics**

HONR268F Honors Seminar: World Popular-Folk Music and Politics; (3 credits) Grade Method: REG. CORE History or Theory of Arts (HA) Course. CORE Diversity (D) Course.

0101	Boden Sandstrom	Seats (Total: 20)
	M 3:30pm - 6:00pm	PAC 3164

HONR269Q **Honors Seminar; Stock Market**

HONR269Q Honors Seminar: Stock Market; (3 credits) Grade Method: REG. This course will meet at CESAR (Center for Substance Abuse Research), 43 21 Hartwick Road.

0101	Eric Wish	Seats (Total: 20)
	Th 3:00pm - 5:30pm	Location: TBA

HONR269X **Honors Seminar: Faith in Science: Intersections between Science and Religion**

HONR269X Honors Seminar: Faith in Science: Intersections between Science and Religion; (3 credits) Grade Method: REG. CORE Interdisciplinary & Emerging Issues (IE) Course.

0101	Rajarshi Roy	Seats (Total: 20)
	TuTh 2:00pm - 3:15pm	JMZ 0125

HONR279A **Honors Seminar; Games, Game Theory, and Theory of Games**

HONR279A Honors Seminar: Games, Game Theory, and Theory of Games; (3 credits) Grade Method: REG.

0101	Clyde Kruskal TuTh 9:30am - 10:45am Tu 7:00pm - 7:50pm	Seats (Total: 20) JMP 1202 CSI 2118	 Discussion

HONR279C **Honors Seminar: African American Art Theory: Exploration and Expressions of Identity**

HONR279C Honors Seminar: African American Art Theory: Exploration and Expressions of Identity; (3 credits) Grade Method: REG. CORE History or Theory of Arts (HA) Course. CORE Diversity (D) Course.

0101	Jeffrey Pinder MW 3:15pm - 4:30pm	Seats (Total: 20) ASY 3221

HONR279G **Honors Seminar: Biological Bases of Mental Illness**

HONR279G Honors Seminar: Biological Bases of Mental Illness; (3 credits) Grade Method: REG. CORE Life Science (LS) Course.

0101	Steven Brauth TuTh 2:00pm - 3:15pm	Seats (Total: 20) PLS 1184

HONR279O **Honors Seminar: Counterterrorism**

HONR279O Honors Seminar: Counterterrorism; (3 credits) Grade Method: REG. CORE Interdisciplinary & Emerging Issues (IE) Course.

0101	John Newman M 3:30pm - 6:00pm	Seats (Total: 20) ANA 0120

HONR279P **Honors Seminar; Understanding and Coping With Stress**

HONR279P Honors Seminar: Understanding and Coping With Stress; (3 credits) Grade Method: REG.

0101	David Hyde TuTh 11:00am - 12:15pm	Seats (Total: 20) SPH 0305

HONR288L **Medical Devices: Applied Ethics and Public Policy**

HONR288L Medical Devices: Applied Ethics and Public Policy; (3 credits) Grade Method: REG. CORE Behavioral and Social Science (SB) Course.

0101	Glenn Rahmoeller	Seats (Total: 20)
	M 2:00pm - 4:30pm	QAN 0108

HONR288W **Honors Seminar: Economics, Markets, and Social Policy:How the World Works (and Doesn't Work)**

HONR288W Honors Seminar: Economics, Markets, and Social Policy:How the World Works (and Doesn't Work); (3 credits) Grade Method: REG. CORE Behavioral and Social Science (SB) Course.

0101	Wallace Oates	Seats (Total: 20)
	TuTh 11:00am - 12:15pm	TYD 1132

HONR289A **The Ecology and Evolutionary Biology of Infectious Disease**

HONR289A The Ecology and Evolutionary Biology of Infectious Disease; (3 credits) Grade Method: REG. CORE Life Science (LS) Course.

0101	Benjamin Rosenthal	Seats (Total: 20)
	Tu 3:30pm - 6:00pm	QAN 0103

HONR289B **Just a Mile Away: The Langley Park Neighborhood and the Making of a New America**

HONR289B Just a Mile Away: The Langley Park Neighborhood and the Making of a New America; (3 credits) Grade Method: REG. CORE Behavioral and Social Science (SB) Course. CORE Diversity (D) Course.

0101	William Hanna	Seats (Total: 20)
	W 2:00pm - 5:00pm	PLS 1168

HONR299C **Private International Law**

HONR299C Private International Law; (3 credits) Grade Method: REG. CORE Behavioral and Social Science (SB) Course.

0101	Marcus Franda	Seats (Total: 20)
	Th 3:30pm - 6:15pm	TYD 1118

HONR348J **Advanced Honors Seminar; Contemporary Social Issues**

HONR348J Advanced Honors Seminar: Contemporary Social Issues; (3 credits)

Grade Method: REG.

0101	Edwin Smead	Seats (Total: 20)
	W 3:30pm - 6:00pm	KEY 0120

HONR358B **Honors Practicum**
Contact department for information to register for this course.

HONR358C **Honors Practicum**
Contact department for information to register for this course.

HONR359C **Honors Workshop**
Contact department for information to register for this course.

HONR379 **Honors Independent Study**
Contact department for information to register for this course.

HONR379A **Honors Independent Study**
Contact department for information to register for this course.

HONR379Z **Honors Independent Study; Further Implications of Knowledge**
Contact department for information to register for this course.

HONR388 **Honors Thesis or Project**
Contact department for information to register for this course.

INFM Information Management Spring 2009

INFM600 **Information Environments**

INFM600 Information Environments; (3 credits) Grade Method: REG/AUD.
Role and function of information in organizations. Organizational environment and its influence on internal and external communication, organizational structure and management, organizational culture, information flow, organizational identity. Shared mental models and group decision ma king. Differences among types of organizations. Information policy.

0101	Raymond Paquette	Seats (Total: 30)
	W 6:00pm - 8:45pm	HBK 0123

INFM603 **Information Technology and Organizational Context**

INFM603 Information Technology and Organizational Context; (3 credits) Grade Method: REG/AUD.
Not open to students who have completed LBSC 690. Application of communication and information technologies to support work processes, including technology-enhanced communication networks, computer-supported collaborative work, decision-support systems, interactive systems, and systems analysis. Acquisition of information systems and their integration into the organization.

0101	Dave Yates	Seats (Total: 30)
	M 6:00pm - 8:45pm	HBK 2119

INFM605 **Users and Use Context**

INFM605 Users and Use Context; (3 credits) Grade Method: REG/AUD.
Use of information by individuals. Nature of information. Information behavior and mental models. Characteristics of problems, task analysis, problem solving, and decision making. Methods for determining information behavior and user needs. Information access. Information technology as a tool in information use.

0101	Kenneth Fleischmann	Seats (Total: 20)
	Th 6:00pm - 8:45pm	HBK 2119

INFM612 **Management of Information Programs and Services**

INFM612 Management of Information Programs and Services; (3 credits) Grade Method: REG/AUD.
Administration of information programs, services, and projects, including the role of leadership in management; developing mission, vision, and goals; providing effective management for results; managing professionals; financial management; and professional conduct and ethical issues.

0101	Bruce Dearstyne	Seats (Total: 21)
	Class time/details on ELMs	ONLINE
	This section will meet online.	

INFM700 **Information Architecture**

INFM700 Information Architecture; (3 credits) Grade Method: REG/AUD.
Prerequisite: INFM603 or permission of instructor. Principles and techniques of information organization and architecture for the Web environment. Structured description of digital resources, including data modeling techniques, metadata schemes, and user-oriented navigation systems.

0101	Paul Jacobs	Seats (Total: 25)
	Tu 6:00pm - 8:45pm	PLS 1115

INFM714 **Principles of Competitive Intelligence**

INFM714 Principles of Competitive Intelligence; (3 credits) Grade Method: REG/AUD.
Credit will be granted for only one of the following: INFM714 or INFM718W. Formerly INFM718W. Intelligence process and how to build business advantage by the collection and analysis of the capabilities, vulnerabilities, market positioning and strategic planning of competitors using open source information.

0101	Stephen Hannestad	Seats (Total: 30)
	W 6:00pm - 8:45pm	PLS 1111

INFM718J **Selected Topics in Information Management; Communities of Practice**

INFM718J Selected Topics in Information Management: Communities of Practice; (3 credits) Grade Method: REG/AUD.

0101	Derek Hansen W 1:00pm - 3:45pm	Seats (Total: 30) HBK 0105

INFM718K **Selected Topics in Information Management; Knowledge Management**

INFM718K Selected Topics in Information Management: Knowledge Management; (3 credits) Grade Method: REG/AUD.

0101	Raymond Paquette Th 2:00pm - 4:45pm	Seats (Total: 30) HBK 0105

INFM718N **Selected Topics in Information Management; Web Enabled Databases**

INFM718N Selected Topics in Information Management: Web Enabled Databases; (3 credits) Grade Method: REG/AUD.

0101	Vedat Diker Tu 2:00pm - 4:45pm	Seats (Total: 30) HBK 2119

INFM718P **Selected Topics in Information Management; Information Policy**

INFM718P Selected Topics in Information Management: Information Policy; (3 credits) Grade Method: REG/AUD.

0101	John Bertot Tu 6:00pm - 8:45pm	Seats (Total: 30) HBK 2119

INFM718Q **Selected Topics in Information Management; Information Ethics**

INFM718Q Selected Topics in Information Management: Information Ethics; (3 credits) Grade Method: REG/AUD.

0101	Kenneth Fleischmann Class time/details on ELMs	Seats (Total: 25) ONLINE

INFM718R **Selected Topics in Information Management; Information Retrieval Systems**

INFM718R Selected Topics in Information Management: Information Retrieval Systems; (3 credits) Grade Method: REG/AUD.

0101	Yan Qu W 6:00pm - 8:45pm	Seats (Total: 25) HBK 2119
0201	Yan Qu W 1:00pm - 3:45pm	Seats (Total: 25) HBK 2119

INFM718X **Selected Topics in Information Management; Seminar in E-Discovery**

INFM718X Selected Topics in Information Management: Seminar in E-Discovery; (1-3 credits) Grade Method: REG/AUD.

0101	Jason Baron, Douglas Oard M 6:00pm - 8:45pm	Seats (Total: 25) HBK 0109

INFM719 **Independent Study**

INFM719 Independent Study; (1-3 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

INFM722 **Copyright, Privacy, and Security in Digital Information**

INFM722 Copyright, Privacy, and Security in Digital Information; (3 credits) Grade Method: REG/AUD.
Prerequisite: INFM600 and INFM605; or permission of instructor. Managing copyright, privacy, and security issues in the digital environment in terms of legal standards, social expectations, and technical requirements.

0101	Dave Yates Th 2:00pm - 4:45pm	Seats (Total: 30) HBK 2119

INFM736 **Information Management Team Experience**

INFM736 Information Management Team Experience; (4 credits) Grade Method: S-F.
Prerequisite: permission of instructor and department. Corequisite: INFM 737. Required in students's last semester. Information issues within organizational frameworks. Integrated, team-based, experiential learning opportunity. This is a group independent study.

0101	Vedat Diker Contact instructor or department for details. Contact instructor or department for details.	Seats (Total: 10)
0201	Stephen Hannestad Contact instructor or department for details.	Seats (Total: 10)

INFM737 **Solving Problems in Information Management**

INFM737 Solving Problems in Information Management; (2 credits) Grade Method: S-F.
Corequisite: INFM 736. Required in student's last semester. In-depth problem analysis and resolution derived from and contributing to INFM 736. Independent study.

0101	Bo Xie Contact instructor or department for details.	Seats (Total: 10)
0201	Stephen Hannestad Contact instructor or department for details.	Seats (Total: 10)

INFM743 **Development of Internet Applications**

INFM743 Development of Internet Applications; (3 credits) Grade Method: REG/AUD.
Prerequisite: INFM603 or LBSC690 or equivalent. Mark up languages and methods for manipulating marked-up content. Techniques for adding interactivity to web pages. Installing and running servers. Server-side applications. Application programming interfaces for third-party content and tools. Extension development.

0101	Jennifer Golbeck, Siddharth Choksi Th 6:00pm - 8:45pm	Seats (Total: 36) PLS 1129

ITAL Italian Spring 2009

ITAL103 **Intensive Elementary Italian**

Students with no experience in the language are invited to register for ITAL103.
ITAL103 Intensive Elementary Italian; (4 credits) Grade Method: REG/P-F/AUD. *Not open to students who have completed more than two years of high school Italian, or to fluent/native speakers of Italian. Credit will be granted for only one of the following: ITAL103 or ITAL121.* Covers speaking, reading, writing, listening, and culture of Italian-speaking world.

0101	Maria Fleri TuTh 9:30am - 10:45am W 10:00am - 10:50am	Seats (Total: 25) JMZ 3203 JMZ 3203
0201	Maria Fleri TuTh 11:00am - 12:15pm W 11:00am - 11:50am	Seats (Total: 25) JMZ 1122 JMZ 0103
0301	Christina Gentile MTuWF 10:00am - 10:50am	Seats (Total: 25) JMZ 0125
0401	Christina Gentile MTuWF 11:00am - 11:50am	Seats (Total: 25) JMZ 0125

ITAL122 **Accelerated Italian II**

ITAL122 Accelerated Italian II; (3 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course.
Prerequisite: ITAL121 or permission of department. Credit will be granted for only one of the following: ITAL203 or ITAL122. Continuation of ITAL121. Completion of accelerated cycle. May be used to satisfy language requirement. Also offered as ITAL122H.

0101	Stefania Amodeo MWF 9:00am - 9:50am	Seats (Total: 25) JMZ 2206

ITAL122H **Accelerated Italian II**

ITAL122H Accelerated Italian II; (3 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course.
Prerequisite: ITAL121 or permission of department. Credit will be granted for only one of the following: ITAL203 or ITAL122. For general honors students only. Also offered as ITAL122.

0101	Stefania Amodeo MWF 9:00am - 9:50am	Seats (Total: 25) JMZ 2206

ITAL203 **Intensive Intermediate Italian**

ITAL203 Intensive Intermediate Italian; (4 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course.
Prerequisite: ITAL103 or equivalent. Not open to students who have completed ITAL122, four years of high school Italian, or to fluent/native speakers of Italian. Credit will be granted for only one of the following: ITAL203 or ITAL122. Covers speaking, reading, writing, listening, and culture of Italian-speaking world.

0101	Federica Deigan MWF 10:00am - 10:50am Tu 10:00am - 10:50am	Seats (Total: 25) JMZ 1124 JMZ 2123
0201	Federica Deigan MTuWF 11:00am - 11:50am	Seats (Total: 25) JMZ 0122

ITAL204 **Review Grammar and Composition**

ITAL204 Review Grammar and Composition; (3 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course.
Prerequisite: ITAL203 or ITAL122, or permission of department. An intensive review of major aspects of contemporary grammatical usage; training in comprehension; an introduction to guided composition.

0101	Maria Fleri TuTh 12:30pm - 1:45pm	Seats (Total: 25) JMZ 1117

ITAL261 **Cuisine, Culture, and Society in Italy Yesterday and Today**

ITAL261 Cuisine, Culture, and Society in Italy Yesterday and Today; (3 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course.
Prerequisite: ITAL204 or permission of department. This course will expose students to an important aspect of Italian culture. The art of gastronomy. Taught entirely in Italian, the course is intended to give students an in-depth understanding of the close relationship between food and culture, while enriching their knowledge of the Italian language through reading and analysis of various texts which deal with the preparation and adaptation of Italian food in different cultural settings.

0101	Stefania Amodeo	Seats (Total: 20)
	MWF 10:00am - 10:50am	JMZ 3205

ITAL301 **Italian Composition**
Contact department for information to register for this course.

ITAL311 **Italian Conversation: Current Events**

ITAL311 Italian Conversation: Current Events; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ITAL211 or permission of department. Oral expression; development of idiomatic forms and vocabulary to level of the Italian press. Not open to students with native fluency.

0101	Stefania Amodeo	Seats (Total: 20)
	MWF 1:00pm - 1:50pm	JMZ 3205

ITAL362 **Survey of Italian Society and Culture: From the 1980's to today**

ITAL362 Survey of Italian Society and Culture: From the 1980's to the Present; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: ITAL301 or equivalent. Development of Italian society and culture from the 1980's to the present. Literature, cinema, economy, popular culture, daily life. In Italian. **This class will meet at the Hornbake Library in the Non-Print Media Services, Room-H.**

0101	Silvia Carlorosi	Seats (Total: 25)
	TuTh 11:00am - 12:15pm	HBK RM-H

ITAL386 **Experiential Learning**

ITAL386 Experiential Learning; (3-6 credits) Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number. *Prerequisite: Learning Proposal approved by the Office of Experiential Learning Programs, faculty sponsor, and student's internship sponsor. Junior standing.*

Contact department for information to register for this course.

ITAL399 **Directed Study in Italian**

ITAL399 Directed Study in Italian; (1-3 credits) Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ITAL471 **Italian Cinema: A Cultural Approach in Translation**

ITAL471 Italian Cinema: A Cultural Approach in Translation; (3 credits) Grade Method: REG/P-F/AUD.
Credit will be granted for only one of the following: ITAL471 or ITAL472. Formerly ITAL475. The culture of Italy through the medium of film from the silent days up to the present. In English. **This class will meet at the Hornbake Library in the Non-Print Media Services, Room-J.**

0101	Silvia Carlorosi	Seats (Total: 25)
	Tu 2:00pm - 5:00pm	HBK RM-J
	Th 2:00pm - 3:15pm	HBK RM-J

ITAL475 **The Italian Opera Libretto in English**

ITAL475 The Italian Opera Libretto in English; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: One course in literature. Credit will be granted for only one of the following: ITAL475, or ITAL476. History and analysis of Italian opera librettos from Monteverdi through Mozart to Verdi and Puccini. In English.

0101	Federica Deigan	Seats (Total: 25)
	MWF 1:00pm - 1:50pm	JMZ 2206

ITAL478C **Colloquium in Italian**

ITAL478C Colloquium in Italian; (1 credit) Grade Method: REG/P-F/AUD. Companion course for ITAL471. **This class will meet at the Hornbake Library in the Non-Print Media Services, Room-E.**

0101	Silvia Carlorosi	Seats (Total: 10)
	Th 3:30pm - 4:20pm	HBK RM-E

ITAL478D **Colloquium in Italian**

ITAL478D Colloquium in Italian; (1 credit) Grade Method: REG/P-F/AUD. Companion course for ITAL475.

0101	Federica Deigan	Seats (Total: 10)
	W 2:00pm - 2:50pm	JMZ 1123

ITAL497 **Senior Project**

ITAL497 Senior Project; (3 credits) Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number. *Prerequisite: four courses at 400-level in Italian; permission of department.* Individual independent study of an aspect of Italian literature, culture or society selected according to student interest and need in consultation with a member of the Italian program.

Contact department for information to register for this course.

ITAL498 **Special Topics in Italian Literature**

ITAL498 Special Topics in Italian Literature; (3 credits) Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

ITAL499 **Special Topics in Italian Studies**

ITAL499 Special Topics in Italian Studies; (3 credits) Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

JAPN Japanese Spring 2009

JAPN102 **Elementary Japanese II**

JAPN102 Elementary Japanese II; (6 credits) Grade Method: REG.
Prerequisite: grade of C (2.0) or better in JAPN101 or permission of instructor. Credit will be granted for only one of the following: JAPN102 or (JAPN106 and JAPN107).
Continued introduction to the basic spoken patterns of contemporary Japanese.

0101	Makiko Inoue MWF 9:00am - 9:50am TuTh 9:30am - 10:45am	Seats (Total: 15) JMZ 0120 JMZ 0205
0201	Miki Reed MWF 10:00am - 10:50am TuTh 9:30am - 10:45am	Seats (Total: 15) EDU 0202 JMZ 3205
0301	Makiko Inoue MWF 11:00am - 11:50am TuTh 11:00am - 12:15pm	Seats (Total: 15) JMZ 1103 JMZ 0205
0401	Miki Reed MWF 12:00pm - 12:50pm TuTh 11:00am - 12:15pm	Seats (Total: 15) JMZ 3120 JMZ 3120

JAPN202 **Intermediate Japanese II**

JAPN202 Intermediate Japanese II; (6 credits) Grade Method: REG. CORE Humanities (HO) Course.
Prerequisite: a grade of C (2.0) or better in JAPN201 or permission of instructor.
Contemporary spoken and written Japanese.

0101	Etsuko Yamakita MWF 9:00am - 10:50am	Seats (Total: 15) JMZ 3118
0201	Kazuo Yaginuma MWF 9:00am - 10:00am MWF 10:00am - 10:50am	Seats (Total: 15) JMZ 1117 JMZ 1211
0301	Etsuko Yamakita MWF 11:00am - 12:50pm	Seats (Total: 15) JMZ 1211

JAPN298A **Modern Japanese Literature and Film in Translation**

JAPN298A Modern Japanese Literature and Film in Translation; (3 credits)
Grade Method: REG/P-F. CORE Literature (HL) Course.

0101	Michele Mason TuTh 9:30am - 10:45am	Seats (Total: 35) JMZ 2206
0201	Michele Mason TuTh 12:30pm - 1:45pm	Seats (Total: 25) JMZ 3120

JAPN302 **Advanced Japanese II**

JAPN302 Advanced Japanese II; (6 credits) Grade Method: REG.
Prerequisite: a grade of C (2.0) or better in JAPN301 or permission of instructor. Continued readings in varied modern texts and advanced conversation and oral comprehension.

0101	Eiko Miura MWF 9:00am - 10:50am	Seats (Total: 15) JMZ 2120
0201	Kazuo Yaginuma, Eiko Miura MWF 11:00am - 11:50am MWF 12:00pm - 12:50pm	Seats (Total: 15) JMZ 2120 JMZ 2120

JAPN307 **Kanji and Composition**

JAPN307 Kanji and Composition; (3 credits) Grade Method: REG.
Not open to fluent/native writers of Kanji. Prerequisite: Grade of C (2.0) or better in JAPN301 and permission of instructor. Study of Kanji in context; intensive writing practice.

0101	Eiko Miura M 1:00pm - 1:50pm WF 1:00pm - 1:50pm	Seats (Total: 15) JMZ 1211 JMZ 1103

JAPN386 **Experiential Learning**

JAPN386 Experiential Learning; (3-6 credits) Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number. *Prerequisite: Learning Proposal approved by the Office of Experiential Learning Programs, faculty sponsor, and student's internship sponsor. Junior standing.*

Contact department for information to register for this course.

JAPN404 **Business Japanese: Readings and Applications**

JAPN404 Business Japanese: Readings and Applications; (3 credits) Grade Method: REG.
Prerequisite: a grade of C (2.0) or better in JAPN302 or permission of instructor. Focus on current readings pertaining to the Japanese corporate world from newspapers and other periodicals as well as online sources, and project-based development of oral and written skills in business Japanese.

0101	Kazuo Yaginuma	Seats (Total: 15)
	MWF 12:00pm - 12:50pm	JMZ 3205

JAPN411 **Introduction to Classical Japanese**

JAPN411 Introduction to Classical Japanese; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: JAPN302 or equivalent. Classical Japanese grammar and the varied styles of classical Japanese. Readings in classical texts drawn from the Heian, Kamakura, Muromachi, and Edo periods.

0101	Harol Kerkham	Seats (Total: 15)
	TuTh 9:30am - 10:45am	JMZ 1215

JAPN418B **Japanese Literature in Translation; Post-War Japan Through Film and Fiction**

JAPN418B Japanese Literature in Translation: Post-War Japan Through Film and Fiction; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as ARHU308A and HIST419M.

0101	Marlene Mayo, Harol Kerkham	Seats (Total: 30)
	Tu 2:00pm - 4:00pm	HBK 0109
	Th 2:00pm - 3:15pm	HBK 0109

JAPN422 **Introductory Japanese Linguistics**

JAPN422 Introductory Japanese Linguistics; (3 credits) Grade Method: REG/P-F/AUD.
An investigation of Japanese sound patterns and syntax through a comparison with English.

0101	Samuel Ramsey	Seats (Total: 30)
	MW 3:00pm - 4:15pm	JMZ 2206

JAPN438 **Topics in Japanese Pragmatics**

JAPN438 Topics in Japanese Pragmatics; (3 credits) Grade Method: REG.
Pre-requisite: JAPN 201

0101	Lindsay Yotsukura	Seats (Total: 20)
	TuTh 11:00am - 12:15pm	JMZ 2123

JAPN499 **Directed Study in Japanese**

JAPN499 Directed Study in Japanese; (1-3 credits) Grade Method: REG/P-F.
Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

JOUR Journalism Spring 2009

JOUR100 **Professional Orientation**

JOUR100 Professional Orientation; (1 credit) Grade Method: REG/P-F/AUD.
Not open to students who have completed JOUR101. Credit will be granted for only one of the following: JOUR100 or JOUR101. Formerly JOUR101. Survey of journalism professions, emphasizing appropriate academic and career development strategies.

0101	Deborah Nelson	Seats (Total: 150)
	M 3:00pm - 3:50pm	JMZ 0220

JOUR175 **Media Literacy**

JOUR175 Media Literacy; (3 credits) Grade Method: REG/P-F/AUD. CORE Interdisciplinary & Emerging Issues (IE) Course. CORE Diversity (D) Course. *Not applicable toward journalism major.* An analysis of the information, values and underlying messages conveyed via television, newspapers, the internet, magazines, radio and film. Examines the accuracy of those messages and explores how media shape views of politics, culture and society.

0101	Susan Moeller Tu 12:30pm - 1:45pm Th 12:30pm - 1:45pm	Seats (Total: 25) SHM 2102 PLS 1111	Discussion
0201	Susan Moeller Tu 12:30pm - 1:45pm Th 12:30pm - 1:45pm	Seats (Total: 25) SHM 2102 PLS 1115	Discussion
0301	Susan Moeller Tu 12:30pm - 1:45pm Th 12:30pm - 1:45pm	Seats (Total: 25) SHM 2102 PLS 1117	Discussion
0401	Susan Moeller Tu 12:30pm - 1:45pm Th 2:00pm - 3:15pm	Seats (Total: 25) SHM 2102 PLS 1146	Discussion
0501	Susan Moeller Tu 12:30pm - 1:45pm Th 2:00pm - 3:15pm	Seats (Total: 25) SHM 2102 EDU 3236	Discussion
0601	Susan Moeller Tu 12:30pm - 1:45pm Th 2:00pm - 3:15pm	Seats (Total: 25) SHM 2102 TYD 1108	Discussion
0701	Susan Moeller Tu 12:30pm - 1:45pm W 2:00pm - 3:15pm	Seats (Total: 25) SHM 2102 SYM 0215	Discussion
0801	Susan Moeller Tu 12:30pm - 1:45pm W 2:00pm - 3:15pm	Seats (Total: 25) SHM 2102 HBK 0108	Discussion

JOUR181 Grammar for Journalists

JOUR181 Grammar for Journalists; (1 credit) Grade Method: REG.
Pre- or corequisite: JOUR100. Credit will be granted for only one of the following: ENGL181, ENGL281, or JOUR181. An examination of the basic structure of written English needed for precise journalistic writing. Parts of speech, sentence patterns, standard punctuation, diction, and usage will be examined with emphasis with an emphasis on its application in journalism. Non-journalism majors should contact Marchelle Payne at (301) 405-2399 for permission to register.

0101	Linda Coleman W 3:00pm - 3:50pm	Seats (Total: 144) SHM 2102

JOUR199 **Survey Apprenticeship**

JOUR199 *(PermReq)* **Survey Apprenticeship; (1 credit)** Grade Method: S-F. Prerequisite: permission of department. Repeatable to 06 credits if content differs. Formerly JOUR 198. Students must meet with the Internship Director in JRN 1117 to receive permission to register. No requests to register after the Schedule Adjustment Period will be honored.

0101	Penny Fuchs Contact instructor or department for details.	Seats (Total: 20)

JOUR200 **Journalism History, Roles and Structures**

JOUR200 Journalism History, Roles and Structures; (3 credits) Grade Method: REG/P-F/AUD.
Pre- or corequisite: JOUR100. For JOUR majors only. Introduction to the study of journalism from the standpoint of media history and sociology.

0101	John Kirch MW 3:30pm - 4:45pm	Seats (Total: 34) TYD 1108
0201	Alice Bonner TuTh 2:00pm - 3:15pm	Seats (Total: 34) LEF 1220
0301	Carl Stepp MW 2:00pm - 3:15pm	Seats (Total: 34) JRN 1105
0401	Ray Hiebert MW 3:30pm - 4:45pm	Seats (Total: 25) SYM 0209

JOUR201 **News Writing and Reporting I**

JOUR201 *(PermReq)* **News Writing and Reporting I; (3 credits)** Grade Method: REG/P-F/AUD.
Pre- or corequisite: JOUR100. Grammar competency demonstrated by a grade of C (2.0) or better in JOUR181 or a score of 52 or higher on the TSWE and permission of department. Sophomore standing. Introduction to news for the print and electronic media, development of new concepts: laboratory in news-gathering tools and writing skills.

0101	Penny Fuchs MW 12:00pm - 1:50pm	Seats (Total: 1) JRN 3111
0201	Denise Cabrera MW 2:00pm - 3:50pm	Seats (Total: 18) JRN 3111
0401	January Payne TuTh 7:00pm - 8:50pm	Seats (Total: 18) JRN 3111
0501	Denise Cabrera MW 10:00am - 11:50am	Seats (Total: 18) JRN 3103
0601	Ylan McClintock TuTh 8:00am - 9:50am	Seats (Total: 18) JRN 3111

JOUR202 **News Editing**

JOUR202 *(PermReq)* **News Editing; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: grade of C or better in JOUR201. For JOUR majors only. Copy editing, graphic principles and processes, new media technology.

0101	Robert Grover TuTh 10:00am - 11:50am	Seats (Total: 18) JRN 3111
0201	Myron Beckenstein TuTh 6:00pm - 7:50pm	Seats (Total: 18) JRN 3102
0301	Sharon O'Malley TuTh 2:00pm - 3:50pm	Seats (Total: 18) JRN 3103

JOUR240 **Advertising in America**

JOUR240 Advertising in America; (3 credits) Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course.
Not open to students who have completed JOUR340. Credit will be granted for only one of the following: JOUR240 or JOUR340. Formerly JOUR340. Survey of the history, regulation and organization of advertising; advertising strategies and effects. This course does not count toward a journalism major's degree credit.

0101	Eric Zanot MW 10:00am - 11:15am	Seats (Total: 20) JRN 1105

JOUR262 **News Editing for Broadcast**

JOUR262 *(PermReq)* **News Editing for Broadcast; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: Grade of C or better in JOUR201 and permission of department. Credit will be granted for only one of the following: JOUR202B or JOUR262. Principles and processes of broadcast newsroom editing. Course shares meeting place with JOUR503.

0101	David Burns TuTh 10:00am - 11:50am Contact instructor or department for details.	Seats (Total: 13) ARC 1123
0201	Albert Calogero MW 7:00pm - 8:50pm Contact instructor or department for details.	Seats (Total: 13) JMZ 3203

JOUR300 **Journalism Ethics**

JOUR300 *(PermReq)* **Journalism Ethics; (3 credits)** Grade Method: REG.
Prerequisite: JOUR201. For JOUR majors only. Examination of ethical problems in news writing and reporting.

0101	Christopher Hanson TuTh 11:00am - 12:15pm	Seats (Total: 20) JRN 1104
0201	Christopher Hanson M 4:15pm - 7:00pm	Seats (Total: 30) KEY 0116

0301	Diana Huffman TuTh 11:00am - 12:15pm	Seats (Total: 30) JRN 1105

JOUR320 **News Writing and Reporting II: Print**

JOUR320 *(PermReq)* **News Writing and Reporting II: Print; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: grade of C or better in JOUR201. For JOUR majors only. Principles and practices of news reporting; covering news beats and other news sources, including researching news stories for accuracy, comprehensiveness and interpretation. Due to rigorous publication requirement, students should time manage their semester accordingly.

0101	Carol Richards TuTh 8:00am - 9:50am	Seats (Total: 18) JRN 3103
0201	David Lightman MW 8:00am - 9:50am	Seats (Total: 18) JRN 3111
0301	Thomas Linthicum MW 7:00pm - 8:50pm	Seats (Total: 18) JRN 3111

JOUR323 **Advanced News Editing**

JOUR323 *(PermReq)* **Advanced News Editing; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: grade of C or better in JOUR202. Principles and practices of editing for publication. Copy improvement, headline writing, news photos and cutlines, wire services, copy control and scheduling, page design and layout. For the "lab" component of this course, students are required to complete a minimum of 2-3 hours of copy editing per week outside of the classroom at an approved publication.

0101	Frank Greve Tu 6:00pm - 9:00pm Contact instructor or department for details.	Seats (Total: 18) JRN 1116

JOUR324 **Commentary and Editorial Writing**

JOUR324 *(PermReq)* **Commentary and Editorial Writing; (3 credits)** Grade Method: REG.
Prerequisite: JOUR320 or JOUR360. Not open to students who have completed JOUR326 prior to January 1, 1992. Formerly JOUR326. Journalistic interpretation and analysis; commentary and editorial writing.

0101	John Delaney TuTh 9:30am - 10:45am	Seats (Total: 18) JRN 1116
0201	William Beecher TuTh 3:30pm - 4:45pm	Seats (Total: 18) JRN 1116

JOUR325 **Print News Bureau**

JOUR325 *(PermReq)* **Print News Bureau; (6 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: JOUR320 and permission of department. Advanced journalism training. Students report as part of College's Capital News Service program. Washington, DC students should enroll in section 0101. Annapolis students should enroll in section 0201.

0101	Adrianne Flynn Contact instructor or department for details.	Seats (Total: 10)
0201	Rafael Lorente Contact instructor or department for details.	Seats (Total: 10)

JOUR326 **Supervised Internship - News Editorial**
Contact department for information to register for this course.

JOUR327 **Urban Affairs Reporting**

JOUR327 *(PermReq)* **Urban Affairs Reporting; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: JOUR320 and permission of department. Also offered as JOUR627. Studens will use Baltimore as a working laboratory to report on urban issues. Course meets in Baltimore.

0101	Sandra Banisky F 11:00am - 1:45pm	Seats (Total: 2) Location: TBA

JOUR328B **Special Topics in News Writing and Reporting; Sports Reporting and Writing**

JOUR328B *(PermReq)* **Special Topics in News Writing and Reporting: Sports Reporting and Writing; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite JOUR320. Department permission required.

0101	Kevin Blackistone W 1:00pm - 3:45pm	Seats (Total: 15) TLF 1103

JOUR328G **Special Topics in News Writing and Reporting; Non-Print Media for Print and Online Journalists**

JOUR328G *(PermReq)* **Special Topics in News Writing and Reporting: Non-Print Media for Print and Online Journalists; (3 credits)** Grade Method: REG/P-F/AUD.
A digital camera will be used for a portion of the course. Students may be required to rent or purchase a digital camera. Contact department forcamera specifications. Course is shared with JOUR628G. Prerequisite: JOUR320.

0101	Christina Hughey, Timothy Jacobsen, Stanton Paddock F 12:00pm - 2:45pm	Seats (Total: 12) JRN 3103
0201	Christina Hughey, Stanton Paddock, Timothy Jacobsen F 12:00pm - 2:45pm	Seats (Total: 12) JRN 3102

JOUR328M **Special Topics in News Writing and Reporting; Magazine Journalism**

JOUR328M *(PermReq)* **Special Topics in News Writing and Reporting: Magazine Journalism; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: JOUR 320.

0101	Jeff Lemberg MW 4:00pm - 5:15pm	Seats (Total: 18) JRN 3102

JOUR328O **Special Topics in News Writing and Reporting; International Reporting-Iceland**

JOUR328O *(PermReq)* **Special Topics in News Writing and Reporting: International Reporting-Iceland; (3 credits)** Grade Method: REG.
Prerequisite: JOUR320 or JOUR360.

0101	Lucinda Fleeson M 1:00pm - 3:45pm	Seats (Total: 7) PKT 1210

JOUR328R **Special Topics in News Writing and Reporting; Special Topics in News Writing and Reporting: Business Reporting**

JOUR328R *(PermReq)* **Special Topics in News Writing and Reporting: Special Topics in News Writing and Reporting: Business Reporting; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: JOUR320 or permission of department.

0101	Robert Matthews M 7:00pm - 9:45pm	Seats (Total: 15) JRN 1116

JOUR350 **Graphics**

JOUR350 *(PermReq)* **Graphics; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: A grade of 'C' (2.0) or better in JOUR202 or 262. Credit will be granted for only one of the following: JOUR350 or JOUR373. An examination of the relationship of verbal and visual components of news content and the presentation of information in print and online publications by combining typography, graphics, images and interactivity using current digital technologies.

0101	John Vockley TuTh 12:00pm - 1:50pm	Seats (Total: 18) JRN 3102
0301	George Lanum TuTh 10:00am - 11:50am	Seats (Total: 18) JRN 3102

JOUR352 **Online Journalism**

JOUR352 *(PermReq)* **Online Journalism; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: JOUR202 or JOUR262. For JOUR majors only. Editing and writing online, using basic Web-coding skills and tools to create news and feature packages for the Internet. New-media issues, including interactivity and individualization, will also be discussed. JOUR 352 meets the College's graphics (JOUR 350) requirement.

0101	Christine Harvey W 1:00pm - 3:45pm	Seats (Total: 12) JRN 3103

0201	Alexandra Newman TuTh 7:00pm - 8:15pm	Seats (Total: 18) JRN 3103
0301	Ronald Yaros TuTh 10:00am - 11:15am	Seats (Total: 18) JRN 3103
0401	Jason Thompson M 7:00pm - 9:45pm	Seats (Total: 6) JRN 3103

JOUR353 **Advanced Online Reporting**

JOUR353 *(PermReq)* **Advanced Online Reporting; (3 credits)** Grade Method: REG/AUD.
Prerequisite: JOUR352, permission of department and JOUR320 or JOUR360. Advanced reporting and writing in an online environment focusing on multimedia and non-traditional storytelling. Students report and write for an online magazine. Contact instructor ot obtain permission.

0101	Christine Harvey F 9:00am - 5:00pm *Contact instructor to obtain permission.*	Seats (Total: 12) JRN 3117

JOUR354 **Interactive Multimedia Storytelling**

JOUR354 *(PermReq)* **Interactive Multimedia Storytelling; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: JOUR352. For JOUR majors only. Advanced development of multimedia journalism, with emphasis on interactivity and application of new technologies, drawing on multiple sources, technologies and techniques to create interactive narratives.

0101	Kristen Novak MW 8:00am - 9:15am	Seats (Total: 8) JRN 3117

JOUR355 **Online News Bureau**

JOUR355 *(PermReq)* **Online News Bureau; (3 credits)** Grade Method: REG/AUD.
Prerequisite: (JOUR202 or JOUR262) and (JOUR320 or JOUR360) and JOUR352; and permission of department. Advanced online journalism training. Students work as multimedia editors and producers for an online newsmagazine, building interactive content and special reports. Contact instructor to obtain permission.

0101	Christine Harvey	Seats (Total: 5)	
	TuTh 9:00am - 1:00pm	Location: TBA	Lab

JOUR360 **News Writing and Reporting II: Broadcast**

JOUR360 *(PermReq)* **News Writing and Reporting II: Broadcast; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: grade of C or better in JOUR201. For JOUR majors only. Writing and reporting for broadcast media: production of news stories.

0101	Cassandra Clayton	Seats (Total: 18)	
	Tu 12:00pm - 1:50pm	JRN 3111	
	Th 12:00pm - 12:50pm	JRN 3111	Lab
0102	Cindy Wright	Seats (Total: 18)	
	W 9:00am - 9:50am	JRN 3102	
	W 10:00am - 11:50am	JRN 3102	Lab

JOUR361 **Television Reporting and Production**

JOUR361 *(PermReq)* **Television Reporting and Production; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: JOUR262 and JOUR360. Writing and editing for the broadcast media. Interpretive and documentary news stories. Students will spend several hours per week on field assignments, in addition to scheduled class sessions. JOUR262 is strongly recommended.

0101	Ronald Yaros	Seats (Total: 12)	
	M 12:00pm - 2:45pm Contact instructor or department for details.	TWS 0117	
0102	Ronald Yaros	Seats (Total: 12)	
	M 3:00pm - 5:45pm Contact instructor or department for details.	TWS 0117	

JOUR362 **Broadcast News Producing**

JOUR362 *(PermReq)* **Broadcast News Producing; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: JOUR262 and JOUR360;. Pre- or corequisite: JOUR361. Credit will be granted for only one of the following: JOUR362 or JOUR368B. Formerly JOUR368B. Producing TV news.

0102	Jason Scanlon M 7:00pm - 9:00pm Tu 2:00pm - 7:00pm	Seats (Total: 2) JRN 1104 TWS 0117	Lab
0103	Jason Scanlon M 7:00pm - 9:00pm W 2:00pm - 7:00pm	Seats (Total: 2) JRN 1104 TWS 0117	Lab
0104	Jason Scanlon M 7:00pm - 9:00pm Th 2:00pm - 7:00pm	Seats (Total: 2) JRN 1104 TWS 0117	Lab
0105	Jason Scanlon M 7:00pm - 9:00pm F 2:00pm - 7:00pm	Seats (Total: 2) JRN 1104 TWS 0117	Lab

JOUR363 **Long Form Broadcast Journalism**

JOUR363 *(PermReq)* **Long Form Broadcast Journalism; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: JOUR361 and permission of department. For JOUR majors only. Also offered as JOUR663. Credit will be granted for only one of the following: JOUR363 or JOUR486. Formerly JOUR486. Production of long form broadcast news reporting, reality videos or documentaries. This course is cross-listed with JOUR663.

0101	Stanley Heist M 9:00am - 11:50am Contact instructor or department for details.	Seats (Total: 10) JRN 1102	

JOUR367 **Broadcast News Bureau**

JOUR367 *(PermReq)* **Broadcast News Bureau; (6 credits)** Grade Method: REG/AUD.
Prerequisite: JOUR361 and permission of department. Advanced broadcast journalism training. Students report as part of the College's Capital News Service program.

0101	Cassandra Clayton	Seats (Total: 10)
	Contact instructor or department for details.	

JOUR368B **Topics in Broadcast and Electronic Media; Broadcast Sports Reporting**

JOUR368B *(PermReq)* **Topics in Broadcast and Electronic Media: Broadcast Sports Reporting; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: JOUR262 and JOUR360, or permission of department.

0101	Susan Katcef	Seats (Total: 12)
	MW 10:00am - 11:50am	ARM 0118
	Contact instructor or department for details.	

JOUR368P **Topics in Broadcast and Electronic Media; Photojournalism I**

JOUR368P Topics in Broadcast and Electronic Media: Photojournalism I; (3 credits) Grade Method: REG/P-F/AUD.
Students are required to rent or purchase a digital camera. Contact department for camera specifications. Prerequisite: JOUR360. Also open to students who have completed JOUR320.

0101	John Davidson	Seats (Total: 12)
	TuTh 3:30pm - 4:45pm	JRN 3102

JOUR368R **Topics in Broadcast and Electronic Media; Radio Broadcasting**

JOUR368R *(PermReq)* **Topics in Broadcast and Electronic Media: Radio Broadcasting; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: JOUR360 or permission of department.

0101	Susan Katcef	Seats (Total: 12)
	TuTh 10:00am - 11:50am	ARC 1127
	Contact instructor or department for details.	

JOUR371 **Feature Writing**

JOUR371 *(PermReq)* **Feature Writing; (3 credits)** Grade Method: REG/P-F/AUD. *Prerequisite: JOUR320.* Research and writing feature articles.

0101	Blake Morrison TuTh 8:00am - 9:15am	Seats (Total: 18) JRN 1104
0201	Carl Stepp TuTh 11:00am - 12:15pm	Seats (Total: 18) JRN 1116

JOUR372 **Writing the Complex Story**

JOUR372 *(PermReq)* **Writing the Complex Story; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: JOUR371. Credit will be granted for only one of the following: JOUR372 or JOUR481. Formerly JOUR481. Explanatory journalism technique applied to complex subjects (such as science, economics and large scale social change) for books, magazines and newspaper series.

0101	Eugene Roberts Tu 10:00am - 12:45pm	Seats (Total: 5) JRN 2114

JOUR381 **Media Industry Reporting**

JOUR381 *(PermReq)* **Media Industry Reporting; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: JOUR320 and permission of department. Students work as reporters and writers covering developments in the media landscape for professional publication.

0101	Rem Rieder Tu 10:00am - 12:45pm	Seats (Total: 5) JRN 2116

JOUR398 **Independent Study**

JOUR398 *(PermReq)* **Independent Study; (1-3 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

JOUR399 **Supervised Internship; Supervised Internship**

JOUR399 *(PermReq)* **Supervised Internship: Supervised Internship; (1 credit)** Grade Method: REG.
Prerequisite: Grade of C or better in JOUR320 or JOUR360. Credit will be granted for only one of the following: JOUR326, JOUR366, JOUR396 or JOUR399. Supervised news internship experience; relation of academic training to professional experience. Students must pick up an internship agreement form in JRN 1117, have the internship supervisor fill it out, and meet with the Internship Director to receive permission to register. No requests to register after the Schedule Adjustment Period will be honored.

0101	Penny Fuchs	Seats (Total: 75)
	Contact instructor or department for details.	
	Students must pick up an internship agreement from JRN 1117, have the i ternship supervisor fill it out and meet with the Internship Director to recieve permission to register. No requests after the Schedule Adjustm ent Period will be honored.	

JOUR400 **Media Law**

JOUR400 *(PermReq)* **Media Law; (3 credits)** Grade Method: REG.
Prerequisite: JOUR320 or JOUR360 or JOUR501. Junior standing. Legal rights and constraints of mass media; libel, privacy, copyright, monopoly, contempt, and other aspects of the law applied to mass communication. Previous study of the law not required.

0101	Diana Huffman	Seats (Total: 40)
	TuTh 2:00pm - 3:15pm	JRN 1105
0201	Deborah Nelson	Seats (Total: 40)
	TuTh 3:30pm - 4:45pm	KEY 0116

JOUR451 **Advertising and Society**

JOUR451 Advertising and Society; (3 credits) Grade Method: REG/P-F/AUD.
Junior standing. Advertising as an institution with manifest economic purposes and latent social effects. Influences of advertising on people, and related issues of ethics and social responsibility.

0101	Eric Zanot	Seats (Total: 15)
	W 1:00pm - 3:45pm	JRN 1116

JOUR452 **Women in the Media**

JOUR452 Women in the Media; (3 credits) Grade Method: REG/P-F/AUD. CORE Diversity (D) Course.
Junior standing. Also offered as WMST452. Credit will be granted for only one of the following: JOUR452 or WMST452. Participation and portrayal of women in the mass media from colonial to contemporary times.

0101	Carol Rogers, Marlene Cimons	Seats (Total: 35)
	TuTh 3:30pm - 4:45pm	JRN 1105

JOUR453 **News Coverage of Racial Issues**

JOUR453 News Coverage of Racial Issues; (3 credits) Grade Method: REG/P-F/AUD. CORE Diversity (D) Course.
Junior standing. Analysis of news media coverage of issues relating to racial minorities in the United States, with special attention to Hispanics, Asian Americans, African Americans and Native Americans.

0101	Alice Bonner	Seats (Total: 25)
	TuTh 5:00pm - 6:15pm	JRN 1105

JOUR458R **Special Topics in Journalism; Religion and the Media**

JOUR458R Special Topics in Journalism: Religion and the Media; (3 credits) Grade Method: REG/P-F/AUD.

0101	Robbie Morganfield	Seats (Total: 20)
	Th 4:00pm - 6:45pm	SKN 1115

JOUR459A **Special Topics in Journalism; Press' Role in the Civil Rights**

JOUR459A Special Topics in Journalism: Press' Role in the Civil Rights; (3 credits) Grade Method: REG/P-F/AUD.

0101	Eugene Roberts	Seats (Total: 25)
	M 4:00pm - 6:45pm	JRN 1105

JOUR459G **Special Topics in Journalism; Sports, Society, Culture and the Media**

JOUR459G *(PermReq)* **Special Topics in Journalism: Sports, Society, Culture and the Media; (3 credits)** Grade Method: REG.
Junior Standing and writing experience. Contact Josh Madden at (301) 405-2399 for permission to register.

0101	George Solomon	Seats (Total: 15)
	W 1:00pm - 3:45pm	JRN 1104

JOUR462 **Professional Seminar in Public Affairs Reporting**

JOUR462 *(PermReq)* **Professional Seminar in Public Affairs Reporting; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: permission of department. Explore theoretical and practical issues in the press coverage of governments. Examine the complex press-government relationship.

0101	Sandra Banisky	Seats (Total: 10)
	M 9:00am - 11:45am	JRN 1116

JOUR470 **Journalism and Public Communication Research**

JOUR470 *(PermReq)* **Journalism and Public Communication Research; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: A university statistics course. Students are encouraged to have completed the theory and skills courses in their major sequence. Credit will be granted for only one of the following: JOUR470 or JOUR477. Formerly JOUR477. Journalism and public communication research methods used in measuring public opinion and media programs and materials.

0201	Carol Rogers, Sergey Golitsynskiy	Seats (Total: 18)
	TuTh 2:00pm - 3:15pm	JRN 1116

JOUR471 **Public Opinion Research**

JOUR471 *(PermReq)* **Public Opinion Research; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: a University statistics course. Measurement of public opinion and media habits; role of the media in the formation of public opinion.

0101	John Newhagen TuTh 2:00pm - 3:15pm	Seats (Total: 18) JRN 3102

JOUR472 **Computer-Assisted Reporting**

JOUR472 *(PermReq)* **Computer-Assisted Reporting; (3 credits)** Grade Method: REG.
Prerequisite: JOUR320 or JOUR360. Not open to students who have completed JOUR328. Credit will be granted for only one of the following: JOUR328 or JOUR472. Formerly JOUR328. Computer and online data acquisition; analytical methods for writing and reporting news. Contact instructor to obtain permission.

0101	Ira Chinoy MW 12:00pm - 1:50pm	Seats (Total: 4) JRN 3102
0201	Ira Chinoy MW 2:00pm - 3:50pm	Seats (Total: 11) JRN 3102

JOUR479C **Special Topics in Data Gathering and Analysis; Researching Court Documents: Courts and Cops**

JOUR479C *(PermReq)* **Special Topics in Data Gathering and Analysis: Researching Court Documents: Courts and Cops; (3 credits)** Grade Method: REG.

0101	Allan Lengel TuTh 2:00pm - 3:15pm	Seats (Total: 18) JRN 3111

JOUR479M **Special Topics in Data Gathering and Analysis; Research on Money and Politics**

JOUR479M *(PermReq)* **Special Topics in Data Gathering and Analysis: Research on Money and Politics; (3 credits)** Grade Method: REG.

0101	Christopher Frates Th 7:00pm - 9:45pm	Seats (Total: 11) JRN 3117

JOUR479N **Special Topics in Data Gathering and Analysis; Carnegie Research Seminar**

JOUR479N Special Topics in Data Gathering and Analysis: Carnegie Research Seminar; (3 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

JOUR502 **Reporting for Graduate Students**

JOUR502 *(PermReq)* **Reporting for Graduate Students; (3 credits)** Grade Method: REG/AUD.
Prerequisite: JOUR 501 or permission of department. Intensive training in basic public affairs journalism for graduate students with limited training or experience. Not applicable for degree credit.

0101	Carl Stepp MW 10:00am - 11:50am	Seats (Total: 18) JRN 3111

JOUR503 **Reporting for Broadcast News**

JOUR503 *(PermReq)* **Reporting for Broadcast News; (3 credits)** Grade Method: REG/AUD.
Prerequisite: JOUR 501. Also offered as JOUR 262. Training in gathering and producing news for radio and television newcasts. Course shares meeting space with JOUR262.

0101	David Burns TuTh 10:00am - 11:50am Contact instructor or department for details.	Seats (Total: 2) ARC 1123
0201	Albert Calogero MW 7:00pm - 8:50pm Contact instructor or department for details.	Seats (Total: 2) JMZ 3203

JOUR532 **Humphrey Seminar II**

JOUR532 *(PermReq)* **Humphrey Seminar II; (2 credits)** Grade Method: REG.
Prerequisite: Admission to Humphrey Fellow Program and permission of department. Introduction to professional development, networking opportunities and practical experiences as a foreign journalist.

0101	Lucinda Fleeson F 10:00am - 1:00pm	Seats (Total: 12) PKT 1210

JOUR600 **Journalism Ethics**

JOUR600 Journalism Ethics; (3 credits) Grade Method: REG/AUD.
Prerequisite: permission of department. Examination of ethical problems in journalism and the media industry.

0101	Christopher Hanson M 4:15pm - 7:00pm	Seats (Total: 5) KEY 0116

JOUR601 **Theories of Journalism and Public Communication**

JOUR601 *(PermReq)* **Theories of Journalism and Public Communication; (3 credits)** Grade Method: REG/AUD.
Prerequisite: permission of department. Survey and evaluation of current communication theories. Attention is given to the nature and function of scientific theory, models of communication behavior, the nature of information, social functions of journalism and public communication, attitude change and persuasive communication and theories of language and meaning.

0101	Tamara Cooke Henry W 4:00pm - 6:45pm	Seats (Total: 10) JRN 1116

JOUR624 **Commentary and Editorial Writing**

JOUR624 *(PermReq)* **Commentary and Editorial Writing; (3 credits)** Grade Method: REG/AUD.
Credit will be granted for only one of the following: JOUR 624 or JOUR 628N. Formerly JOUR628N. Journalistic interpretation and analysis; commentary and editorial writing.

0101	Priyanka Matanhelia TuTh 9:30am - 10:45am	Seats (Total: 1) JRN 1116
0201	William Beecher TuTh 3:30pm - 4:45pm	Seats (Total: 1) JRN 1116

JOUR625 **Print News Bureau**

JOUR625 *(PermReq)* **Print News Bureau; (6 credits)** Grade Method: REG/AUD. *Prerequisite: JOUR 620 and permission of department. Credit will be granted for only one of the following: JOUR 625 or JOUR 729. Formerly JOUR729.* Advanced journalism training. Students report as part of College's Capital News Service program. Washington, D.C. Bureau students register for section 0101. Annapolis Bureau students register for section 0201.

0101	Adrianne Flynn Contact instructor or department for details.	Seats (Total: 9)
0201	Rafael Lorente Contact instructor or department for details.	Seats (Total: 9)

JOUR627 **Advanced Urban Affairs Reporting**

JOUR627 *(PermReq)* **Advanced Urban Affairs Reporting; (3 credits)** Grade Method: REG/AUD.
Prerequisite: JOUR501 and permission of department. Also offered as JOUR327. Studens will use Baltimore as a working laboratory to report on urban issues. Course meets in Baltimore.

0101	Sandra Banisky F 11:00am - 1:45pm	Seats (Total: 5) Location: TBA

JOUR628G **Specialized Topics in News Writing and Reporting; Non-Print Media for Print and Online Journalists**

JOUR628G *(PermReq)* **Specialized Topics in News Writing and Reporting: Non-Print Media for Print and Online Journalists; (3 credits)** Grade Method: REG/AUD. Prerequisite: JOUR501 or permission of department. A digital camera will be used for a portion of the course. Students may be required to rent or purchase a digital camera. Contact department for camera specifications. Course is shared with JOUR328G.

0101	Merrilee Cox, Christina Hughey, Timothy Jacobsen F 12:00pm - 2:45pm	Seats (Total: 4) JRN 3103

0201	Christina Hughey, Stanton Paddock, Timothy Jacobsen F 12:00pm - 2:45pm	Seats (Total: 3) JRN 3102

JOUR628R **Specialized Topics in News Writing and Reporting; Business Reporting**

JOUR628R *(PermReq)* **Specialized Topics in News Writing and Reporting: Business Reporting; (3 credits)** Grade Method: REG/AUD.
Prerequisite: JOUR501 or permission of department.

0101	Robert Matthews M 7:00pm - 9:45pm	Seats (Total: 2) JRN 1116

JOUR640 **Seminar in Advertising Communication**

JOUR640 Seminar in Advertising Communication; (3 credits) Grade Method: REG/AUD.
Credit will be granted for only one of the following: JOUR 640 and JOUR 740. Formerly JOUR740. Role of advertising as a form of public communication in American society. Advertising and the firm; advertising and the economy; advertising and the individual; advertising and consumerism; advertising and the media.

0101	Eric Zanot W 1:00pm - 3:45pm	Seats (Total: 2) JRN 1116

JOUR652 **Online Journalism**

JOUR652 *(PermReq)* **Online Journalism; (3 credits)** Grade Method: REG/AUD.
Prerequisites: JOUR 502, JOUR 503, or equivalent. For JOUR majors only. Editing and writing online, using basic Web-coding skills and tools to create news and feature packages for the Internet. New-media issues, including interactivity and individualization, are also to be discussed.

0101	Christine Harvey W 1:00pm - 3:45pm	Seats (Total: 6) JRN 3103
0201	Jason Thompson M 7:00pm - 9:45pm	Seats (Total: 6) JRN 3103

JOUR654 **Advanced Online Editing**

JOUR654 *(PermReq)* **Advanced Online Editing; (3 credits)** Grade Method: REG/AUD.
Prerequisite: JOUR652. For JOUR majors only. Theory and tools used to create effective interactive design and presentation of multimedia storytelling packages. Using audio, video, and web desing tools to produce interactive journalism packages.

0101	Kristen Novak MW 8:00am - 9:15am	Seats (Total: 3) JRN 3117	

JOUR655 **Online News Bureau**

JOUR655 *(PermReq)* **Online News Bureau; (6 credits)** Grade Method: REG/AUD.
Prerequisite: JOUR 652 (or equivalent) and permission of department. Advanced online journalism training. Students work as online reporters, editors and producers for an online news magazine. Students also package copy from the print and broadcast news bureaus.

0101	Christine Harvey Contact instructor or department for details.	Seats (Total: 3)	

JOUR661 **Television Reporting and Production**

JOUR661 *(PermReq)* **Television Reporting and Production; (3 credits)** Grade Method: REG/AUD.
Prerequisite: JOUR 503 or equivalent. For JOUR majors only. Reporting, writing, editing and production of broadcast news.

0101	Ronald Yaros M 12:00pm - 2:45pm TBA	Seats (Total: 3) TWS 0117 TWS 0121	 Discussion
0102	Ronald Yaros M 3:00pm - 5:45pm TBA	Seats (Total: 3) TWS 0117 TWS 0121	 Discussion

JOUR663 **Long Form Broadcast Journalism**

JOUR663 *(PermReq)* **Long Form Broadcast Journalism; (3 credits)** Grade Method: REG/AUD.
Prerequisite: JOUR503 or equivalent. Also offered as JOUR363. Credit will be granted for only one of the following: JOUR363, JOUR486 or JOUR663. Formerly JOUR486. Productions of long form broadcast news reporting, reality videos or documentaries. This course is cross-listed with JOUR363.

0101	Stanley Heist M 9:00am - 11:50am Contact instructor or department for details.	Seats (Total: 10) JRN 1102	

JOUR667 **Broadcast News Bureau**

JOUR667 *(PermReq)* **Broadcast News Bureau; (6 credits)** Grade Method: REG/AUD.
Prerequisites: JOUR 503 (or equvialent) and permission of department. Advanced broadcast journalism training. Students report as part of the College's Captial News Service program.

0101	Cassandra Clayton Contact instructor or department for details.	Seats (Total: 3)	

JOUR668B **Topics in Broadcasting and Electronic Media; Broadcast Producing**

JOUR668B *(PermReq)* **Topics in Broadcasting and Electronic Media: Broadcast Producing; (3 credits)** Grade Method: REG/AUD.

0102	Jason Scanlon M 7:00pm - 9:00pm Tu 2:00pm - 7:00pm	Seats (Total: 2) JRN 1104 TWS 0117	 Lab
0103	Jason Scanlon M 7:00pm - 9:00pm W 2:00pm - 7:00pm	Seats (Total: 2) JRN 1104 TWS 0117	 Lab
0104	Jason Scanlon M 7:00pm - 9:00pm Th 2:00pm - 7:00pm	Seats (Total: 2) JRN 1104 TWS 0117	 Lab

0105	Jason Scanlon	Seats (Total: 2)	
	M 7:00pm - 9:00pm	JRN 1104	
	F 2:00pm - 7:00pm	TWS 0117	Lab

JOUR672 **Writing the Complex Story**

JOUR672 *(PermReq)* **Writing the Complex Story; (3 credits)** Grade Method: REG/AUD.
Prerequisite: JOUR 502 or equivalent, and permission of department. Credit will be granted for only one of the following: JOUR 662 or JOUR 672. Formerly JOUR622. Advanced writing, focusing on the strategies and techniques of modern explanatory journalism.

0101	Eugene Roberts	Seats (Total: 10)
	Tu 10:00am - 12:45pm	JRN 2114

JOUR677 **Literary Journalism**

JOUR677 *(PermReq)* **Literary Journalism; (3 credits)** Grade Method: REG/AUD.
Prerequisite: JOUR620 or permission of department. Not open to students who have completed JOUR377 or JOUR487. Credit will be granted for only one of the following: JOUR377, JOUR487 or JOUR677. Practice in the use of literary techniques and especially of dramatic structure in modern newspaper series, magazine pieces and books. Analysis, researching and writing of nonfiction stories, usually with a focus on a specialized area chosen by the student.

0101	Jon Franklin	Seats (Total: 14)
	M 1:00pm - 3:45pm	JRN 1104

JOUR681 **Advanced Media Industry Reporting**

JOUR681 *(PermReq)* **Advanced Media Industry Reporting; (3 credits)** Grade Method: REG/AUD.
Prerequisite: JOUR501 and permission of department. Students work as reporters and writers covering developments in the media landscape for professional publication.

0101	Rem Rieder	Seats (Total: 2)
	Tu 10:00am - 12:45pm	JRN 2116

JOUR698 **Special Problems in Communication**

JOUR698 *(PermReq)* **Special Problems in Communication; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

JOUR698D **Special Problems in Communication; Special Problems in Communication: Carnegie Practicum**

JOUR698D *(PermReq)* **Special Problems in Communication: Special Problems in Communication: Carnegie Practicum; (1 credit)** Grade Method: REG/AUD.

0101	Deborah Nelson	Seats (Total: 12)
	Contact instructor or department for details.	

JOUR698N **Special Problems in Communication; Carnegie Research Seminar**

JOUR698N *(PermReq)* **Special Problems in Communication: Carnegie Research Seminar; (3 credits)** Grade Method: REG/AUD.

0101	Deborah Nelson	Seats (Total: 8)
	M 6:00pm - 8:45pm	TYD 0101

JOUR698O **Special Problems in Communication; International Reporting-Iceland**

JOUR698O *(PermReq)* **Special Problems in Communication: International Reporting-Iceland; (3 credits)** Grade Method: REG.
Prerequisite: JOUR501 or permission of department.

0101	Lucinda Fleeson	Seats (Total: 5)
	M 1:00pm - 3:45pm	PKT 1210

JOUR762 **Professional Seminar in Public Affairs Reporting**

JOUR762 *(PermReq)* **Professional Seminar in Public Affairs Reporting; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: JOUR 620 and permission of department. Not open to students who have completed JOUR 462. Examination of theoretical and practical issues in the press coverage of government and public affairs.

0101	Sandra Banisky M 9:00am - 11:45am	Seats (Total: 10) JRN 1116

JOUR767 **New Media Technologies**

JOUR767 New Media Technologies; (3 credits) Grade Method: REG.
Selected survey of theories of technology and communication with special attention to issues concerning the use of computer technology as a communication medium.

0101	John Newhagen M 1:00pm - 3:45pm	Seats (Total: 10) JRN 3103

JOUR772 **Methods in Computer-Assisted Reporting**

JOUR772 *(PermReq)* **Methods in Computer-Assisted Reporting; (3 credits)** Grade Method: REG.
Pre- or corequisite: JOUR501 or equivalent. Computer-assisted (database) journalism; obtaining, manipulating and analyzing complex government data for journalism projects. Contact instructor to obtain permission.

0101	Ira Chinoy MW 12:00pm - 1:50pm	Seats (Total: 10) JRN 3102
0201	Ira Chinoy MW 2:00pm - 3:50pm	Seats (Total: 10) JRN 3102

JOUR776 **Qualitative Research Methods in Journalism and Public Communication**

JOUR776 Qualitative Research Methods in Journalism and Public Communication; (3 credits) Grade Method: REG/AUD.
Not open to students who have completed JOUR 711. Credit will be granted for only one of the following: JOUR 711 or JOUR 776. Formerly JOUR711. Methods of historical, critical and field research in journalism and public communication. Formulation of significant research questions, systematic collection of bibliographic and phenomenal information, formulating substanial claims, organizing and writing research for disciplinary outlets.

0101	Linda Steiner Tu 4:15pm - 7:00pm	Seats (Total: 8) JRN 2114

JOUR798 **Master's Professional Fieldwork**

JOUR798 *(PermReq)* **Master's Professional Fieldwork; (2-6 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

JOUR799 **Master's Thesis Research**

JOUR799 Master's Thesis Research; (1-6 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

JOUR801 **Advanced Public Communication Theory**

JOUR801 Advanced Public Communication Theory; (3 credits) Grade Method: REG.
Prerequisite: JOUR 601 or equivalent. Credit will be granted for only one of the following: JOUR 601 or JOUR 801. Advanced selected survey of communication & media theory.

0101	Kalyani Chadha	Seats (Total: 12)
	Th 9:00am - 11:45am	JRN 1102

JOUR888 **Doctoral Professional Field Work**

JOUR888 Doctoral Professional Field Work; (3-9 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

JOUR889 **Doctoral Tutorial in Journalism and Public Communication**

JOUR889 Doctoral Tutorial in Journalism and Public Communication; (3-9 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

JOUR898 **Pre-Candidacy Research**

JOUR898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

JOUR899 **Doctoral Dissertation Research in Journalism and Mass Communication**

JOUR899 *(PermReq)* **Doctoral Dissertation Research in Journalism and Mass Communication; (6 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

JWST Jewish Studies Spring 2009

JWST141 **American Jewish Experience**

JWST141 American Jewish Experience; (3 credits) Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course.
Also offered as HIST106. Credit will be granted for only one of the following: JWST141 or HIST106. History of the Jews in America from Colonial times to the present. Emphasis on the waves of migration from Germany and Eastern Europe; the changing nature of the American Jewish community and its participation in American social, economic, and political life. Also offered as HIST106.

0101	Eliyana Adler	Seats (Total: 40)
	TuTh 9:30am - 10:45am	HZF 0101

JWST235 **History of the Jewish People II**

JWST235 History of the Jewish People II; (3 credits) Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course. CORE Diversity (D) Course. *Credit will be granted for only one of the following: HIST283, HIST283H, JWST235, or JWST235H.* Political, economic, social and cultural development within Jewish history from the end of the Middle Ages to the present. Special attention to the twentieth century developments including the Nazi Holocaust and its aftermath, the Zionist movement and the creation of the State of Israel, and the rise of the contemporary American-Jewish community. Also offered as HIST283.

0101	Bernard Cooperman TuTh 1:00pm - 1:50pm M 11:00am - 11:50am	Seats (Total: 20) CHM 1407 LEF 1222	Discussion
0102	Bernard Cooperman TuTh 1:00pm - 1:50pm W 1:00pm - 1:50pm	Seats (Total: 20) CHM 1407 KEY 0121	Discussion
0103	Bernard Cooperman TuTh 1:00pm - 1:50pm Tu 9:00am - 9:50am	Seats (Total: 20) CHM 1407 KEY 0117	Discussion
0104	Bernard Cooperman TuTh 1:00pm - 1:50pm M 12:00pm - 12:50pm	Seats (Total: 20) CHM 1407 ARM 0121	Discussion
0105	Bernard Cooperman TuTh 1:00pm - 1:50pm W 11:00am - 11:50am	Seats (Total: 20) CHM 1407 WDS 1131	Discussion
0106	Bernard Cooperman TuTh 1:00pm - 1:50pm M 11:00am - 11:50am	Seats (Total: 20) CHM 1407 KEY 0121	Discussion
0107	Bernard Cooperman TuTh 1:00pm - 1:50pm M 10:00am - 10:50am	Seats (Total: 20) CHM 1407 KEY 0121	Discussion
0108	Bernard Cooperman TuTh 1:00pm - 1:50pm Tu 2:00pm - 2:50pm	Seats (Total: 20) CHM 1407 MTH 0102	Discussion

JWST235H **History of the Jewish People II**

JWST235H History of the Jewish People II; (3 credits) Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course. CORE Diversity (D) Course. *Credit will be granted for only one of the following: HIST283, HIST283H, JWST235, or JWST235H.* Also offered as HIST283H.

0101	Bernard Cooperman	Seats (Total: 15)	
	TuTh 1:00pm - 1:50pm	CHM 1407	
	Tu 3:00pm - 3:50pm	TLF 2100	Discussion

JWST263 **Hebrew Bible: Poetry and Prophecy**

JWST263 Hebrew Bible: Poetry and Prophecy; (3 credits) Grade Method: REG/P-F/AUD. CORE Literature (HL) Course.
Also offered as ENGL263. Not open to students who have completed HEBR224. Credit will be granted for only one of the following: JWST263 or ENGL263. Formerly HEBR224. Readings of poetic and prophetic selections from the Hebrew Bible. Analysis of devices and their rhetorical effect. Comparison of biblical poetry with other poetry of the ancient Near East. In English; no Hebrew required.

0101	Adele Berlin	Seats (Total: 60)	
	TuTh 9:30am - 10:45am	SQH 1119	

JWST282 **Elementary Yiddish II**

JWST282 Elementary Yiddish II; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: JWST281 or GERM148Y or permission of department. Also offered as GERM149Y. Not open to students who have completed GERM149Y. Continuation of JWST281.

0101	Miriam Isaacs	Seats (Total: 25)	
	TuTh 9:30am - 10:45am	HZF 0142	

JWST319C **Women and Jewish Literature**

JWST319C Women and Jewish Literature; (3 credits) Grade Method: REG/P-F/AUD. CORE Diversity (D) Course.
Also offered as ENGL348J.

0101	Sheila Jelen	Seats (Total: 35)	
	TuTh 12:30pm - 1:45pm	SQH 1107	

JWST319P **Special Topics in Jewish Studies; In Search of the Religions of Ancient Israel**

JWST319P Special Topics in Jewish Studies: In Search of the Religions of Ancient Israel; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as HIST319P.

0101	Mark Cohen	Seats (Total: 20)
	TuTh 12:30pm - 1:45pm	PLS 1168

JWST319R **Special Topics in Jewish Studies; Reading in Israeli Media**

JWST319R Special Topics in Jewish Studies: Reading in Israeli Media; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as HEBR382. Prerequisite: HEBR314 or permission of department.

0101	Avital Feuer	Seats (Total: 20)
	TuTh 2:00pm - 3:15pm	JRN 1104

JWST324 **Biblical History and Culture**

JWST324 Biblical History and Culture; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as HIST321. Not open to students who have completed HEBR333 or HIST321. Credit will be granted for only one of the following: JWST324 or HEBR333 or HIST321. Formerly HEBR333. Study of the political, social, and religious development of the Jewish nation from its inception to its return from exile in Babylonia around 536 C.E. Focus on biblical texts, archeological finds, and source materials from neighboring cultures to reconstruct political history and the development of religious concepts.

0101	Mark Cohen	Seats (Total: 50)
	TuTh 11:00am - 12:15pm	BPS 1236

JWST345 **The Holocaust of European Jewry**

JWST345 The Holocaust of European Jewry; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as HIST307. Credit will be granted for only one of the following: JWST345 or HIST307. Roots of Nazi Jewish policy in the 1930s and during World War II: the process of destruction and the implementation of the "final solution of the Jewish problem" in Europe, and the responses made by the Jews to their concentration and annihilation.

0101	Marsha Rozenblit MW 11:00am - 11:50am M 12:00pm - 12:50pm	Seats (Total: 20) KEY 0102 KEY 0121	Discussion
0102	Marsha Rozenblit MW 11:00am - 11:50am W 9:00am - 9:50am	Seats (Total: 20) KEY 0102 TYD 1114	Discussion
0103	Marsha Rozenblit MW 11:00am - 11:50am W 12:00pm - 12:50pm	Seats (Total: 20) KEY 0102 KEY 0121	Discussion
0104	Marsha Rozenblit MW 11:00am - 11:50am M 9:00am - 9:50am	Seats (Total: 20) KEY 0102 KEY 0125	Discussion

JWST408 **Honors Seminar in Jewish Studies**

JWST408 *(PermReq)* **Honors Seminar in Jewish Studies; (3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

JWST409G **Research Seminar in Jewish Studies; Modern Jewish History**

JWST409G *(PermReq)* **Research Seminar in Jewish Studies: Modern Jewish History; (3 credits)** Grade Method: REG/P-F/AUD.

0101	Marsha Rozenblit W 4:00pm - 6:00pm Contact instructor or department for details.	Seats (Total: 5) KEY 0107	

JWST409V **Research Seminar in Jewish Studies; Dead Sea Scrolls in Gendered Perspective**

JWST409V Research Seminar in Jewish Studies: Dead Sea Scrolls in Gendered Perspective; (3 credits) Grade Method: REG/P-F/AUD.

0101	Maxine Grossman W 5:00pm - 7:30pm	Seats (Total: 15) HZF 0142	

JWST418 **Honors Thesis Research in Jewish Studies**

JWST418 *(PermReq)* **Honors Thesis Research in Jewish Studies; (3 credits)**
Grade Method: REG.

0102	Marsha Rozenblit Contact instructor or department for details.	Seats (Total: 5)
0103	Hayim Lapin Contact instructor or department for details.	Seats (Total: 5)
0104	Rachel Manekin Contact instructor or department for details.	Seats (Total: 5)
0105	Maxine Grossman Contact instructor or department for details.	Seats (Total: 5)
0106	Sheila Jelen Contact instructor or department for details.	Seats (Total: 5)
0107	Charles Manekin Contact instructor or department for details.	Seats (Total: 5)
0108	Eric Zakim Contact instructor or department for details.	Seats (Total: 5)
0109	Einat Gonen Contact instructor or department for details.	Seats (Total: 5)
0110	Avital Feuer Contact instructor or department for details.	Seats (Total: 5)
0111	Paul Scham Contact instructor or department for details.	Seats (Total: 5)
0112	Eliyana Adler Contact instructor or department for details.	Seats (Total: 5)
0113	Miriam Isaacs Contact instructor or department for details.	Seats (Total: 5)
0114	Bernard Cooperman Contact instructor or department for details.	Seats (Total: 5)

0115	Adele Berlin	Seats (Total: 5)
	Contact instructor or department for details.	

JWST419E **Special Topics in Jewish Studies; Jews of Eastern Europe, 1580-1939**

JWST419E Special Topics in Jewish Studies: Jews of Eastern Europe, 1580-1939; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as HIST419Q.

0101	Rachel Manekin	Seats (Total: 40)
	MW 2:00pm - 3:15pm	TYD 1101

JWST419K **Special Topics in Jewish Studies; Women and Gender in Israel**

JWST419K Special Topics in Jewish Studies: Women and Gender in Israel; (3 credits) Grade Method: REG/P-F/AUD.
Also offeres as HIST428K.

0101	Nina Spiegel	Seats (Total: 35)
	TuTh 11:00am - 12:15pm	PLS 1113

JWST419N **Special Topics in Jewish Studies; Antisemitism and Jewish Response**

JWST419N Special Topics in Jewish Studies: Antisemitism and Jewish Response; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as HIST428J.

0101	Bernard Cooperman	Seats (Total: 35)
	TuTh 9:30am - 10:45am	KEY 0126

JWST419T **Special Topics in Jewish Studies; Yiddish Culture in Russia**

JWST419T Special Topics in Jewish Studies: Yiddish Culture in Russia; (3 credits) Grade Method: REG/P-F/AUD.

0101	Miriam Isaacs	Seats (Total: 35)
	TuTh 2:00pm - 3:15pm	MTH 0304

JWST419W **Special Topics in Jewish Studies; Public Culture in Israel**

JWST419W Special Topics in Jewish Studies: Public Culture in Israel; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as HIST428W.

0101	Nina Spiegel TuTh 2:00pm - 3:15pm	Seats (Total: 35) KEY 0125

JWST419X **Special Topics in Jewish Studies; Israel, Politics and Society**

JWST419X Special Topics in Jewish Studies: Israel, Politics and Society; (3 credits) Grade Method: REG/P-F/AUD.

0101	Scott Lasensky Th 4:00pm - 6:30pm	Seats (Total: 40) TYD 2109

JWST419Y **Special Topics in Jewish Studies; The Israeli-Palestinian Conflict**

JWST419Y Special Topics in Jewish Studies: The Israeli-Palestinian Conflict; (3 credits) Grade Method: REG/P-F/AUD.

0101	Paul Scham MWF 10:00am - 10:50am	Seats (Total: 40) SKN 0104

JWST452 **The Golden Age of Jewish Philosophy**

JWST452 The Golden Age of Jewish Philosophy; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: three credits in philosophy or permission of department. Also offered as PHIL417. Not open to students who have completed PHIL417. Credit will be granted for only one of the following: JWST452 or PHIL417. Jewish philosophy from Maimonides in the 12th Century to the expulsion of the Jews from Spain at the end of the 15th Century. Topics include the limitations of human knowledge, creation of the world, foreknowledge and free will, and the existence of God.

0101	Charles Manekin MW 2:00pm - 3:15pm	Seats (Total: 25) WDS 1130

JWST478 **Readings in Modern Hebrew; Major Texts of the Jewish Enlightenment**

JWST478 Readings in Modern Hebrew: Major Texts of the Jewish Enlightenment; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: HEBR313.

0101	Rachel Manekin Tu 3:30pm - 6:00pm	Seats (Total: 15) WDS 1131

JWST499 **Independent Study in Jewish Studies**

JWST499 *(PermReq)* **Independent Study in Jewish Studies; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

JWST619 **Directed Readings in Jewish Studies**

JWST619 *(PermReq)* **Directed Readings in Jewish Studies; (3 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

JWST658 **Readings in Jewish Thought and Culture; Rationalists and Their Opponents**

JWST658 Readings in Jewish Thought and Culture: Rationalists and Their Opponents; (3 credits) Grade Method: REG.

0101	Charles Manekin M 3:30pm - 6:00pm	Seats (Total: 5) KEY 0123

JWST678 **Readings in Jewish Literature; Ethics of Representation and the Literature of the Holocaust**

JWST678 *(PermReq)* **Readings in Jewish Literature: Ethics of Representation and the Literature of the Holocaust; (3 credits)** Grade Method: REG.
Also offered as ENGL749B.

0101	Sheila Jelen Th 3:30pm - 6:00pm	Seats (Total: 13) SQH 2123

JWST699 **Independent Graduate Readings in Jewish Studies**

JWST699 *(PermReq)* **Independent Graduate Readings in Jewish Studies; (1-3 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

JWST799 **Masters Thesis Research**

JWST799 *(PermReq)* **Masters Thesis Research; (1-6 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

KNES Kinesiology Spring 2009

KNES100N **Physical Education Activities: Coed; Basketball (Beginning)**

---------- Physical Education Activites - Coed ----------

KNES100N Physical Education Activities: Coed: Basketball (Beginning); (1 credit) Grade Method: REG/P-F.
Note the non-standard dates for each section. Schedule adjustment is the first week of classes only. Attendance is required on the first day of classes.

0002	Ronald Mower	Seats (Total: 36)	
	Meets March 23, 2009 - May 12, 2009		
	MW 2:00pm - 4:00pm	ERC 0135	Lab

KNES100O **Physical Education Activities: Coed; Basketball (Intermediate)**

KNES100O Physical Education Activities: Coed: Basketball (Intermediate); (2 credits) Grade Method: REG/P-F.
Attendance is required on the first day of class.

0001	Caitlin Brauer	Seats (Total: 36)	
	MW 10:00am - 12:00pm	ERC 0135	Lab
0002	Caitlin Brauer	Seats (Total: 36)	
	MW 12:00pm - 2:00pm	ERC 0135	Lab

0003	Caitlin Brauer	Seats (Total: 36)	
	TuTh 12:00pm - 2:00pm	ERC 0135	Lab

KNES131O **Physical Education Activities: Coed; Jogging (Intermediate)**

KNES131O Physical Education Activities: Coed: Jogging (Intermediate); (2 credits) Grade Method: REG/P-F.
Prerequisite: KNES 131V or 10k experience. One weekend event expected. Attendence is required the first day of class.

0001	Jeffrey Hsu	Seats (Total: 40)	
	TuTh 2:00pm - 4:00pm	SPH 0107	Lab

KNES131V **Physical Education Activities: Coed; Jogging (Beginning)**

KNES131V Physical Education Activities: Coed: Jogging (Beginning); (2 credits)
Grade Method: REG/P-F.
Attendance is required on the first day of class.

0001	Mallory Marshall	Seats (Total: 60)	
	MW 12:00pm - 2:00pm	COL 1100D	Lab
0002	Gina Many	Seats (Total: 60)	
	MW 2:00pm - 4:00pm	COL 1100D	Lab

KNES131Z **Physical Education Activities: Coed; Beginning Softball**

KNES131Z Physical Education Activities: Coed: Beginning Softball; (1 credit)
Grade Method: REG/P-F/AUD.
Attendance is required of all students the first day in Ritchie Arena (1100), thereafter the class will meet on the Terp Fields. Schedule adjustment is the first week of class only.

0001	David Logan	Seats (Total: 24)	
	Meets March 23, 2009 - May 12, 2009		
	TuTh 1:00pm - 3:00pm	TERP FIELD	Lab

KNES132N **Physical Education Activities: Coed; Badminton (Beginning)**

KNES132N Physical Education Activities: Coed: Badminton (Beginning); (1 credit) Grade Method: REG/P-F.
Note the nonstandard dates for each section. Schedule adjustment is the first week of classes only. Attendance is required on the first day of class.

0002	Li-Chuan Lo	Seats (Total: 32)	
	Meets March 23, 2009 - May 12, 2009		
	TuTh 3:30pm - 5:30pm	SPH 2101	Lab

KNES134N **Physical Education Activities: Coed; Bowling (Beginning)**

KNES134N Physical Education Activities: Coed: Bowling (Beginning); (1 credit) Grade Method: REG/P-F.
Attendance is required the first day of class. Facility fee of $30 plus bowling shoes are required. Schedule adjustment is the first week of the class.

0001	Michelle Costanzo	Seats (Total: 40)	
	Meets January 26, 2009 - March 13, 2009		
	MW 8:00am - 10:00am	SSU B106	Lab
0003	Michelle Costanzo	Seats (Total: 40)	
	Meets January 26, 2009 - March 13, 2009		
	TuTh 8:00am - 10:00am	SSU B106	Lab

KNES134O **Physical Education Activities: Coed; Bowling (Intermediate)**

KNES134O Physical Education Activities: Coed: Bowling (Intermediate); (1 credit) Grade Method: REG/P-F.
Attendance is required the first day of class. Scheduled adjustment is the first week of class only. Facility fee of $30 plus bowling shoes are required.

0001	Michelle Costanzo	Seats (Total: 40)	
	Meets March 23, 2009 - May 12, 2009		
	MW 8:00am - 10:00am	SSU B106	Lab

KNES140O **Physical Education Activities: Coed; Tumbling and Balancing (Intermediate)**

KNES140O Physical Education Activities: Coed: Tumbling and Balancing (Intermediate); (1 credit) Grade Method: REG.
Attendance is required on the first day of class. Schedule Adjustment is the first week of class only.

0001	Scott Welsh	Seats (Total: 20)	
	Meets January 26, 2009 - March 13, 2009		
	TuTh 10:00am - 12:00pm	SPH 1120	Lab

KNES140R **Physical Education Activities: Coed; Trampoline (Beginning)**

KNES140R Physical Education Activities: Coed: Trampoline (Beginning); (1 credit) Grade Method: REG/P-F.
Attendance is required on the first day of class. Scheduled adjustment is the first week of classes only. Formerly: KNES140S.

0001	Scott Welsh	Seats (Total: 24)	
	Meets March 23, 2009 - May 12, 2009		
	TuTh 10:00am - 12:00pm	SPH 1120	Lab

KNES140V **Physical Education Activities: Coed; Tumbling and Balancing (Beginning)**

KNES140V Physical Education Activities: Coed: Tumbling and Balancing (Beginning); (1 credit) Grade Method: REG/P-F.
Attendance is required on the first day of class. Schedule Adjustment is the first week of class only.

0001	Scott Welsh	Seats (Total: 24)	
	Meets January 26, 2009 - March 13, 2009		
	TuTh 10:00am - 12:00pm	SPH 1120	Lab

KNES144Q **Physical Education Activities: Coed; Martial Arts, Karate (Beginning)**

KNES144Q Physical Education Activities: Coed: Martial Arts, Karate (Beginning); (2 credits) Grade Method: REG/P-F.
Attendance is required on the first day of class.

0001	Kenneth Klotz	Seats (Total: 32)	
	MW 12:00pm - 2:00pm	SPH 0107	Lab

KNES144R **Physical Education Activities: Coed; Karate (Intermediate)**

KNES144R Physical Education Activities: Coed: Karate (Intermediate); (2 credits) Grade Method: REG/P-F.
Attendance is required on the first day of class.

0001	Kenneth Klotz	Seats (Total: 32)	
	MW 10:00am - 12:00pm	SPH 0107	Lab

KNES144T **Physical Education Activities: Coed; Self-Defense**

KNES144T Physical Education Activities: Coed: Self-Defense; (2 credits) Grade Method: REG/P-F/AUD.

0001	Kenneth Klotz	Seats (Total: 35)	
	MW 8:00am - 10:00am	SPH 0107	

KNES152N **Physical Education Activities: Coed; Soccer (Beginning)**

KNES152N Physical Education Activities: Coed: Soccer (Beginning); (1 credit) Grade Method: REG/P-F.
Schedule adjustment is the first week of classes only. Attendance is required on the first day of class.

0001	Katharine Amenabar	Seats (Total: 36)	
	Meets January 26, 2009 - March 13, 2009		
	MW 10:00am - 12:00pm	COL 1110D	Lab

KNES152O **Physical Education Activities: Coed; Soccer (Intermediate)**

KNES152O Physical Education Activities: Coed: Soccer (Intermediate); (1 credit) Grade Method: REG/P-F.
Schedule adjustment is the first week of class only. Attendance is required on the first day of class.

0001	Katharine Amenabar	Seats (Total: 36)	
	Meets March 23, 2009 - May 12, 2009		
	MW 10:00am - 12:00pm	COL 1110D	Lab

KNES154N **Physical Education Activities: Coed; Swimming (Beginning)**

KNES154N Physical Education Activities: Coed: Swimming (Beginning); (1 credit) Grade Method: REG/P-F.
Attendance is required on the first day of class.

0001	Natalie Ferdinand	Seats (Total: 20)	
	TuTh 8:00am - 9:15am	ERC B0120	Lab

KNES154O **Physical Education Activities: Coed; Swimming (Intermediate)**

KNES154O Physical Education Activities: Coed: Swimming (Intermediate); (1 credit) Grade Method: REG/P-F.
Attendance is required on the first day of class.

0001	Amanda Delaney	Seats (Total: 20)	
	MW 1:00pm - 2:15pm	ERC B0120	Lab

KNES154P **Physical Education Activities: Coed; Swimming (Advanced)**

KNES154P Physical Education Activities: Coed: Swimming (Advanced); (2 credits) Grade Method: REG/P-F.
Attendance is required on the first day of class.

0001	Natalie Ferdinand	Seats (Total: 20)	
	MW 9:00am - 11:00am	ERC B0120	Lab

KNES154T **Physical Education Activities: Coed; Swimming, Fitness (Beginning)**

KNES154T Physical Education Activities: Coed: Swimming, Fitness (Beginning); (1 credit) Grade Method: REG/P-F.
Attendance is required on the first day of class.

0001	Diana Freedman	Seats (Total: 20)	
	TuTh 9:30am - 10:45am	ERC B0120	Lab

KNES154W **Physical Education Activities: Coed; Swimming/Lifeguard Training**

KNES154W Physical Education Activities: Coed: Swimming/Lifeguard Training; (2 credits) Grade Method: REG/P-F.
Attendance is required on the first day of class.

0001	Diana Freedman MW 8:00am - 10:00am	Seats (Total: 20) ERC B0120	 Lab

KNES157N **Physical Education Activities: Coed; Weight Training (Beginning)**

KNES157N Physical Education Activities: Coed: Weight Training (Beginning); (1 credit) Grade Method: REG/P-F.
Attendance is required on the first day of class.

0001	Michelle Costanzo MW 1:00pm - 2:15pm	Seats (Total: 32) SPH 0103	 Lab
0003	Peter Baggetta MW 11:00am - 12:15pm	Seats (Total: 32) SPH 0103	 Lab
0004	Jennie Phillips TuTh 2:00pm - 3:15pm	Seats (Total: 32) SPH 0103	 Lab
0005	Jennie Phillips TuTh 1:00pm - 2:15pm	Seats (Total: 32) SPH 0103	 Lab
0006	Ginny Scott TuTh 11:00am - 12:15pm	Seats (Total: 32) SPH 0103	 Lab

KNES157O **Physical Education Activities: Coed; Weight Training (Intermediate)**

KNES157O Physical Education Activities: Coed: Weight Training (Intermediate); (1 credit) Grade Method: REG/P-F.
Attendance is required on the first day of class.

0001	Ashley Gollmann MW 12:00pm - 1:15pm	Seats (Total: 32) SPH 0103	 Lab
0002	Ginny Scott TuTh 12:00pm - 1:15pm	Seats (Total: 32) SPH 0103	 Lab

0003	Jeremy Rietschel	Seats (Total: 32)	
	MW 3:00pm - 4:15pm	SPH 0103	Lab
0004	Jeremy Rietschel	Seats (Total: 32)	
	MW 2:00pm - 3:15pm	SPH 0103	Lab

KNES157Q **Physical Education Activities: Coed; Body Building**

KNES157Q Physical Education Activities: Coed: Body Building; (1 credit) Grade Method: REG/P-F.
Attendance is required on the first day of class.

0001	Ginny Scott	Seats (Total: 32)	
	TuTh 8:00am - 9:15am	SPH 0103	Lab

KNES157R **Physical Education Activities: Coed; Circuit Training (Beg)**

KNES157R Physical Education Activities: Coed: Circuit Training (Beg); (1 credit) Grade Method: REG/P-F.
Schedule adjustment is the first week of classes only. Attendance is required on the first day of class.

0001	Li-Chuan Lo	Seats (Total: 30)	
	Meets January 26, 2009 - March 13, 2009		
	TuTh 3:00pm - 5:00pm	SPH 0103	Lab

KNES157T **Physical Education Activities: Coed; Circuit Training (Intermediate)**

KNES157T Physical Education Activities: Coed: Circuit Training (Intermediate); (1 credit) Grade Method: REG/P-F.
Schedule Adjustment is the first week of classes only. Attendance is required on the first day of class.

0001	Peter Baggetta	Seats (Total: 30)	
	Meets March 23, 2009 - May 12, 2009		
	MW 8:00am - 10:00am	SPH 0103	Lab

KNES160O **Physical Education Activities: Coed; Volleyball (Intermediate)**

KNES160O Physical Education Activities: Coed: Volleyball (Intermediate); (1 credit) Grade Method: REG/P-F.
Schedule Adjustment is the first week of classes only. Attendance is required on the first day of class.

0001	Peter Baggetta	Seats (Total: 36)	
	Meets January 26, 2009 - March 13, 2009		
	MW 2:00pm - 4:00pm	SPH 2101	Lab

KNES160P **Physical Education Activities: Coed; Advanced Volleyball**

KNES160P Physical Education Activities: Coed: Advanced Volleyball; (2 credits)
Grade Method: REG/P-F.
Attendance is required on the first day of class.

0001	Peter Baggetta	Seats (Total: 36)	
	MW 12:00pm - 2:00pm	SPH 2101	Lab

KNES161F **Physical Education Activities: Coed; Yoga for Fitness**

KNES161F Physical Education Activities: Coed: Yoga for Fitness; (1 credit)
Grade Method: REG/P-F.

0101	Callie Maddox	Seats (Total: 35)	
	TuTh 3:00pm - 4:15pm	SPH 0128	Lab

KNES161N **Physical Education Activities: Coed; Conditioning (Beginning)**

KNES161N Physical Education Activities: Coed: Conditioning (Beginning); (1 credit) Grade Method: REG/P-F.
Schedule Adjustment is the first week of classes only. Attendance is required on the first day of class.

0001	David Logan	Seats (Total: 36)	
	Meets March 23, 2009 - May 12, 2009		
	MW 2:00pm - 4:00pm	SPH 2101	Lab

KNES161V **Physical Education Activities: Coed; Step Aerobics (Intermediate)**

KNES161V Physical Education Activities: Coed: Step Aerobics (Intermediate); (2 credits) Grade Method: REG.
Attendance is required on the first day of class.

0001	Jennie Phillips	Seats (Total: 50)	
	TuTh 10:00am - 12:00pm	ERC 0105	

KNES162N **Physical Education Activities: Coed; Zumba Aerobics (Beginning)**

KNES162N Physical Education Activities: Coed: Zumba Aerobics (Beginning); (2 credits) Grade Method: REG/P-F/AUD.
Attendance is required on the first day of class.

0001	Rosemary Lindle	Seats (Total: 50)	
	MW 11:00am - 12:50pm	ERC 0105	

KNES182 **Rhythmic Activities**

KNES182 Rhythmic Activities; (2 credits) Grade Method: REG.
Development of rhythmic sensitivity through analysis of rhythm and its application to movement, skills in folk, square and social dance and teaching techniques for use in schools and recreational programs.

0101	Susan Kogut	Seats (Total: 25)	
	Tu 11:00am - 12:15pm	SPH 2101	Lab
	Th 11:00am - 1:45pm	SPH 2101	Lab

KNES200 **Introduction to Kinesiology**

KNES200 Introduction to Kinesiology; (3 credits) Grade Method: REG/P-F.
Restricted to freshmen KNES majors or non-majors with less than 60 credits. Not open to non-major students who have completed over 60 credits. Credit will be granted for only one of the following: KNES200 or KNES289M. Formerly KNES289M.
An overview of kinesiology, the interdisciplinary study of physical activity. Examines human motor behavior and its cultural forms such as sport from the physiological, psychological, sociological, historical, philosophical, and biomechanical perspectives.

0101	Amy Haufler	Seats (Total: 30)	
	TuTh 11:00am - 12:15pm	SPH 1301	

KNES260 **Science of Physical Activity and Cardiovascular Health**

KNES260 Science of Physical Activity and Cardiovascular Health; (3 credits) Grade Method: REG/P-F/AUD. CORE Life Science (LS) Course.
Course details (1) the public health importance of and the processes underlying cardiovascular disease, (2) the risk factors for cardiovascular disease and the methods whereby they were identified, and (3) the principles of the scientific evidence supporting the use of physical activity to prevent cardiovascular disease.

0101	James Hagberg MWF 9:00am - 9:50am M 12:00pm - 12:50pm	Seats (Total: 24) SPH 1312 SPH 0308	 Discussion
0102	James Hagberg MWF 9:00am - 9:50am M 11:00am - 11:50am	Seats (Total: 24) SPH 1312 SPH 0308	 Discussion

KNES287 **Sport and American Society**

KNES287 Sport and American Society; (3 credits) Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course. CORE Diversity (D) Course.
Sport will be related to such social problems as delinquency, segregation, collective behavior, and leisure; to social processes such as socialization, stratification, mobility, and social control; and to those familiar social institutions the family, the school, the church, the military, the economy, the polity, and the mass media.

0101	Jaime DeLuca TuTh 12:30pm - 1:45pm M 8:00am - 8:50am	Seats (Total: 22) SPH 1312 SPH 0302	 Discussion
0102	Jaime DeLuca TuTh 12:30pm - 1:45pm M 9:00am - 9:50am	Seats (Total: 22) SPH 1312 SPH 0302	 Discussion
0104	Jaime DeLuca TuTh 12:30pm - 1:45pm M 1:00pm - 1:50pm	Seats (Total: 22) SPH 1312 SPH 0305	 Discussion

0105	Jaime DeLuca TuTh 12:30pm - 1:45pm M 2:00pm - 2:50pm	Seats (Total: 22) SPH 1312 SPH 0305	Discussion
0107	Jaime DeLuca TuTh 12:30pm - 1:45pm W 12:00pm - 12:50pm	Seats (Total: 22) SPH 1312 SPH 0305	Discussion
0108	Jaime DeLuca TuTh 12:30pm - 1:45pm W 1:00pm - 1:50pm	Seats (Total: 22) SPH 1312 SPH 0305	Discussion
0109	Jaime DeLuca TuTh 12:30pm - 1:45pm M 12:00pm - 12:50pm	Seats (Total: 22) SPH 1312 SPH 0305	Discussion
0201	David Andrews Class time/details on ELMs *This section is restricted to Kinesiology and Phys Ed majors with sopho ore standing. This section is taught on-line.*	Seats (Total: 45) ONLINE	

KNES287U **Sport and American Society**

KNES287U Sport and American Society; (3 credits) Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course. CORE Diversity (D) Course.

0103	Jaime DeLuca TuTh 12:30pm - 1:45pm M 10:00am - 10:50am	Seats (Total: 0) SPH 1312 SPH 0302	Lab
0106	Jaime DeLuca TuTh 12:30pm - 1:45pm W 11:00am - 11:50am	Seats (Total: 0) SPH 1312 SPH 0305	Lab

KNES289 **Topical Investigations**

KNES289 *(PermReq)* **Topical Investigations; (1-3 credits)** Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number.
Department Permission Required.

Contact department for information to register for this course.

KNES289K **Topical Investigations; Hippocratic Society**

KNES289K Topical Investigations: Hippocratic Society; (1 credit) Grade Method: REG/P-F.
Kinesiology majors only.

0101	Jo Zimmerman	Seats (Total: 20)	
	Th 3:30pm - 4:20pm	SPH 0307	

KNES290 **Teaching Physical Activity and Fitness Concepts**

KNES290 Teaching Physical Activity and Fitness Concepts; (3 credits) Grade Method: REG.
Prerequisite: KNES190. Teaching practices for physical activity and fitness concepts appropriate for children and adolescents in school and recreational programs. Pedagogical methods, strategies, styles, and techniques that encourage program participation. Not open to students who have completed KNES289L prior to Spring 2002.

0101	Rosemary Lindle	Seats (Total: 20)	
	MW 9:00am - 9:50am	SPH 0308	
	MW 10:00am - 10:50am	SPH 0308	Lab

KNES292 **Teaching Game Concepts and Tactics**

KNES292 Teaching Game Concepts and Tactics; (3 credits) Grade Method: REG.
Teaching progressions for game concepts and tactics. Sequential development of temporal and spatial concepts through progressively more complex offensive and defensive strategies. For KNES(PE) Majors only.

0101	Robin Burns	Seats (Total: 20)	
	TuTh 9:30am - 10:45am	SPH 0305	
	Tu 8:00am - 9:20am	SPH 0305	Lab

KNES293 **History of Sport in America**

KNES293 History of Sport in America; (3 credits) Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course.
The growth and development of sport in America. The transformation of sport within the perspective of American history, including class sport, professionalization, amateurism, and international involvement.

0101	Jessica Schultz MW 1:00pm - 1:50pm M 10:00am - 10:50am	Seats (Total: 22) SPH 1312 SPH 0303	 Discussion
0102	Jessica Schultz MW 1:00pm - 1:50pm M 11:00am - 11:50am	Seats (Total: 22) SPH 1312 SPH 0303	 Discussion
0103	Jessica Schultz MW 1:00pm - 1:50pm M 2:00pm - 2:50pm	Seats (Total: 22) SPH 1312 SPH 0303	 Discussion
0104	Jessica Schultz MW 1:00pm - 1:50pm W 10:00am - 10:50am	Seats (Total: 22) SPH 1312 SPH 0303	 Discussion
0105	Jessica Schultz MW 1:00pm - 1:50pm W 11:00am - 11:50am	Seats (Total: 22) SPH 1312 SPH 0303	 Discussion
0106	Jessica Schultz MW 1:00pm - 1:50pm W 2:00pm - 2:50pm	Seats (Total: 22) SPH 1312 SPH 0303	 Discussion
0107	Jessica Schultz MW 1:00pm - 1:50pm M 3:00pm - 3:50pm	Seats (Total: 22) SPH 1312 SPH 0303	 Discussion
0108	Jessica Schultz MW 1:00pm - 1:50pm W 3:00pm - 3:50pm	Seats (Total: 22) SPH 1312 SPH 0303	 Discussion
0109	Jessica Schultz MW 1:00pm - 1:50pm M 12:00pm - 12:50pm	Seats (Total: 22) SPH 1312 SPH 0303	 Discussion

KNES300 **Biomechanics of Human Motion**

KNES300 Biomechanics of Human Motion; (4 credits) Grade Method: REG/P-F. *Prerequisite: BSCI201, and MATH112 or MATH115 or placement in MATH140. Recommended: PHYS121.* The study of human movement and the physical and physiological principles upon which it depends. Body mechanics, posture, motor efficiency, sports, the performance of a typical individual and the influence of growth and development upon motor performance.

0101	Jae Kun Shim MW 4:00pm - 5:15pm F 8:00am - 9:30am	Seats (Total: 18) SPH 1312 SPH 0124	 Lab
0102	Jae Kun Shim MW 4:00pm - 5:15pm F 9:30am - 11:00am	Seats (Total: 18) SPH 1312 SPH 0124	 Lab
0103	Jae Kun Shim MW 4:00pm - 5:15pm F 11:00am - 12:30pm	Seats (Total: 18) SPH 1312 SPH 0124	 Lab
0104	Jae Kun Shim MW 4:00pm - 5:15pm F 12:30pm - 2:00pm	Seats (Total: 18) SPH 1312 SPH 0124	 Lab
0105	Jae Kun Shim MW 4:00pm - 5:15pm F 2:00pm - 3:30pm	Seats (Total: 18) SPH 1312 SPH 0124	 Lab
0106	Jae Kun Shim MW 4:00pm - 5:15pm F 3:30pm - 5:00pm	Seats (Total: 18) SPH 1312 SPH 0124	 Lab

KNES300H **Biomechanics of Human Motion**

KNES300H *(PermReq)* **Biomechanics of Human Motion; (4 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: BSCI201, and MATH112 or MATH115 or placement in MATH140. Recommended: PHYS121.

0101	Jae Kun Shim MW 4:00pm - 5:15pm Contact instructor or department for details.	Seats (Total: 3) SPH 1312	

KNES333 **Physical Activity for Students with Special Needs**

KNES333 Physical Activity for Students with Special Needs; (3 credits) Grade Method: REG.
Implications of Federal and State regulations for planning and implementing physical activity programs for students with special needs. Evaluation strategies for assessing motor performance and the role of physical activity in educational programs for these students. Course is offered in the spring semester only.

0101	Dennis Vacante Th 7:00pm - 9:30pm	Seats (Total: 26) SPH 0308	

KNES335 **Swimming Pool Management**

KNES335 Swimming Pool Management; (2 credits) Grade Method: REG/P-F/AUD.
Analysis of the position of the swimming pool manager. The systematic treatment of swimming pool water; swimming pool first aid; and laws pertaining to swimming pool operation. Qualifies the student for a pool operator's license in most Maryland counties.

0101	Amanda Delaney TuTh 9:00am - 9:50am	Seats (Total: 35) ERC B0136	Lab

KNES350 **The Psychology of Sports**

KNES350 The Psychology of Sports; (3 credits) Grade Method: REG/P-F/AUD.
An exploration of personality factors, including but not limited to motivation, aggression and emotion, as they affect sports participation and motor skill performance.

0101	Elizabeth Brown TuTh 2:00pm - 3:15pm	Seats (Total: 190) SPH 1312	
0201	Jo Zimmerman TuTh 8:00am - 9:15am	Seats (Total: 190) SPH 1312	

KNES350H **The Psychology of Sports**

KNES350H *(PermReq)* **The Psychology of Sports; (3 credits)** Grade Method: REG/P-F/AUD.
Department Permission Required.

0101	Elizabeth Brown	Seats (Total: 2)
	TuTh 2:00pm - 3:15pm	SPH 1312

KNES355 **Sport Management**

KNES355 Sport Management; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: KNES287. Junior standing. Credit will be granted for only one of the following: KNES355 or KNES498M. Formerly KNES498M. Application of concepts and issues related to management principles and business concerns across various sections of the sport industry. Principles pertaining to the management of sport organizations.

0101	Joseph Mahan	Seats (Total: 35)
	TuTh 2:00pm - 3:15pm	SPH 0302

KNES355H **Sport Management**

KNES355H *(PermReq)* **Sport Management; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: KNES287. Junior standing. Credit will be granted for only one of the following: KNES355 or KNES498M. Formerly KNES498M.

0101	Joseph Mahan	Seats (Total: 3)
	TuTh 2:00pm - 3:15pm	SPH 0302

KNES360 **Physiology of Exercise**

KNES360 Physiology of Exercise; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisites: BSCI201 and BSCI202; or permission of department. A study of the physiology of exercise, including concepts of work, muscular contraction, energy transformation, metabolism, oxygen debt, and nutrition and athletic performance. Emphasis on cardiovascular and respiratory function in relation to physical activity and training.

0101	Marc Rogers MW 12:00pm - 12:50pm Th 11:00am - 12:30pm	Seats (Total: 18) CHM 1402 SPH 0124	 Lab
0102	Marc Rogers MW 12:00pm - 12:50pm Th 9:30am - 11:00am	Seats (Total: 18) CHM 1402 SPH 0124	 Lab
0103	Marc Rogers MW 12:00pm - 12:50pm Th 8:00am - 9:30am	Seats (Total: 18) CHM 1402 SPH 0124	 Lab
0104	Marc Rogers MW 12:00pm - 12:50pm Th 12:30pm - 2:00pm	Seats (Total: 18) CHM 1402 SPH 0124	 Lab
0105	Marc Rogers MW 12:00pm - 12:50pm Th 2:00pm - 3:30pm	Seats (Total: 18) CHM 1402 SPH 0124	 Lab

KNES360H **Physiology of Exercise**

KNES360H *(PermReq)* **Physiology of Exercise; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisites: BSCI201 and BSCI202; or permission of department.

0101	Marc Rogers MW 12:00pm - 12:50pm Contact instructor or department for details.	Seats (Total: 3) CHM 1402	

KNES370 **Motor Development**

KNES370 Motor Development; (3 credits) Grade Method: REG/P-F/AUD.
Motor development across the life span. The developmental sequences of motor skills from birth to old age; neuromaturation of neuromuscular system; analysis of the underlying mechanisms of motor skill development; and correlates of motor development.

0101	Marcio Oliveira MW 2:00pm - 2:50pm W 8:00am - 8:50am	Seats (Total: 18) SPH 1312 SPH 0124	 Lab

0102	Marcio Oliveira MW 2:00pm - 2:50pm W 9:00am - 9:50am	Seats (Total: 18) SPH 1312 SPH 0124	Discussion
0103	Marcio Oliveira MW 2:00pm - 2:50pm W 10:00am - 10:50am	Seats (Total: 18) SPH 1312 SPH 0124	Discussion
0104	Marcio Oliveira MW 2:00pm - 2:50pm M 8:00am - 8:50am	Seats (Total: 18) SPH 1312 SPH 0124	Discussion
0105	Marcio Oliveira MW 2:00pm - 2:50pm M 9:00am - 9:50am	Seats (Total: 18) SPH 1312 SPH 0124	Discussion
0106	Marcio Oliveira MW 2:00pm - 2:50pm M 10:00am - 10:50am	Seats (Total: 18) SPH 1312 SPH 0124	Discussion
0107	Marcio Oliveira MW 2:00pm - 2:50pm M 11:00am - 11:50am	Seats (Total: 18) SPH 1312 SPH 0124	Discussion
0108	Marcio Oliveira MW 2:00pm - 2:50pm W 11:00am - 11:50am	Seats (Total: 18) SPH 1312 SPH 0124	Discussion

KNES370H **Motor Development**

KNES370H *(PermReq)* **Motor Development; (3 credits)** Grade Method: REG. Department Permission Required.

0101	Marcio Oliveira MW 2:00pm - 2:50pm Contact instructor or department for details.	Seats (Total: 2) SPH 1312	

KNES371 **Elementary School Physical Education: A Movement Approach**

KNES371 Elementary School Physical Education: A Movement Approach; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisites: KNES183 and KNES370. Formerly KNES421. An analysis of movement philosophy and content, focusing upon cognitive, psychomotor and affective developmental characteristics in relation to progression and planning of games, educational dance and educational gymnastics for elementary school age children.

0101	Susan Kogut	Seats (Total: 20)	
	TuTh 2:00pm - 3:15pm	SPH 0303	
	Tu 12:30pm - 2:00pm	SPH 0303	Lab

KNES385 **Motor Control and Learning**

KNES385 Motor Control and Learning; (3 credits) Grade Method: REG/P-F/AUD.
Physiological and cognitive bases for motor control and their applications to the acquisition of movement skills and understanding of movement disorders. Topics include: neurophysiology, motor control theory, sensory/perceptual processes, perception-action coupling, information processing, memory, attention, individual differences, motivation, practice organization and role of feedback.

0101	Robert Creath	Seats (Total: 18)	
	MW 3:00pm - 3:50pm	SPH 1312	
	M 1:00pm - 1:50pm	SPH 0124	Lab
0102	Robert Creath	Seats (Total: 18)	
	MW 3:00pm - 3:50pm	SPH 1312	
	M 2:00pm - 2:50pm	SPH 0124	Lab
0103	Robert Creath	Seats (Total: 18)	
	MW 3:00pm - 3:50pm	SPH 1312	
	W 2:00pm - 2:50pm	SPH 0124	Lab
0104	Robert Creath	Seats (Total: 18)	
	MW 3:00pm - 3:50pm	SPH 1312	
	W 1:00pm - 1:50pm	SPH 0124	Lab
0105	Robert Creath	Seats (Total: 18)	
	MW 3:00pm - 3:50pm	SPH 1312	
	W 12:00pm - 12:50pm	SPH 0124	Lab

0106	Robert Creath	Seats (Total: 18)	
	MW 3:00pm - 3:50pm	SPH 1312	
	M 12:00pm - 12:50pm	SPH 0124	Lab

KNES385H **Motor Control and Learning**

KNES385H *(PermReq)* **Motor Control and Learning; (3 credits)** Grade Method: REG/P-F/AUD.
Department Permission Required.

0101	Robert Creath	Seats (Total: 3)
	MW 3:00pm - 3:50pm	SPH 1312
	Contact instructor or department for details.	

KNES389 **Topical Investigations**

KNES389 *(PermReq)* **Topical Investigations; (1-3 credits)** Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number.
Permission of instructor and department is required.

Contact department for information to register for this course.

KNES389E **Topical Investigations; Childrens Development Clinic**

KNES389E Topical Investigations: Childrens Development Clinic; (1 credit) Grade Method: REG/P-F/AUD.

0101	Paul Hahn	Seats (Total: 20)
	Sa 8:30am - 12:30pm	SPH 0103

KNES389K **Topical Investigations; Kinesiological Science Internship**

KNES389K *(PermReq)* **Topical Investigations: Kinesiological Science Internship; (3 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.
Permission of instructor and department.

Contact department for information to register for this course.

KNES451 **Children and Sport: A Psychosocial Perspective**

KNES451 Children and Sport: A Psychosocial Perspective; (3 credits) Grade Method: REG/P-F.
Prerequisite: KNES350 and junior standing. Examination of youth sports from a psychosocial perspective, including the impact of highly structured sports on young athletes and the complex social network of coaches, parents and peers.

0101	Elizabeth Brown Tu 4:00pm - 6:30pm	Seats (Total: 60) SPH 1301

KNES451H **Children and Sport: A Psychosocial Perspective**

KNES451H *(PermReq)* **Children and Sport: A Psychosocial Perspective; (3 credits)** Grade Method: REG/P-F.
Prerequisite: KNES350 and junior standing. Department Permission Required.

0101	Elizabeth Brown Tu 4:00pm - 6:30pm	Seats (Total: 3) SPH 1301

KNES455 **Scientific Bases of Athletic Conditioning**

KNES455 Scientific Bases of Athletic Conditioning; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: KNES360. An examination of physical fitness/athletic conditioning programs stressing the practical application of exercise physiology theory for enhancing athletic performance. Cardiovascular considerations, strength and power development, nutrition, speed, muscular endurance, environmental considerations and ergogenic aids.

0101	Colleen Farmer F 9:00am - 11:45am	Seats (Total: 35) SPH 0308

KNES455H **Scientific Bases of Athletic Conditioning**

KNES455H *(PermReq)* **Scientific Bases of Athletic Conditioning; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: KNES360.

0101	Colleen Farmer F 9:00am - 11:45am	Seats (Total: 3) SPH 0308

KNES461 **Exercise and Body Composition**

KNES461 Exercise and Body Composition; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: KNES360. Physiological concepts relating body composition factors to exercise and human performance. The scientific basis for the establishment and evaluation of conditioning programs where body composition may play an important role, such as weight control and athletics.

0101	Ben Hurley	Seats (Total: 35)
	TuTh 8:00am - 9:15am	SPH 0308

KNES461H **Exercise and Body Composition**

KNES461H *(PermReq)* **Exercise and Body Composition; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: KNES360. Department Permission Required.

0101	Ben Hurley	Seats (Total: 3)
	TuTh 8:00am - 9:15am	SPH 0308

KNES464 **Exercise Metabolism: Role in Health and Disease**

KNES464 Exercise Metabolism: Role in Health and Disease; (3 credits) Grade Method: REG/P-F.
Prerequisite: BSCI201, BSCI202, and KNES360. Recommended: BCHM261. Credit will be granted for only one of the following: KNES464 or KNES498L. Formerly KNES498L. Examines the role of metabolism in kinesiology, especially as it relates to physical inactivity, health and disease. Includes bioenergetics, substrate utilization, cell signaling, and metabolic gene expression and their impact on chronic health conditions or disease.

0101	Espen Spangenburg	Seats (Total: 35)
	MWF 10:00am - 10:50am	SPH 0307

KNES464H **Exercise Metabolism: Role in Health and Disease**

KNES464H *(PermReq)* **Exercise Metabolism: Role in Health and Disease; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: BSCI201, BSCI202, and KNES360. Recommended: BCHM261. Credit will be granted for only one of the following: KNES464 or KNES498L. Formerly KNES498L.

0101	Espen Spangenburg	Seats (Total: 3)
	MWF 10:00am - 10:50am	SPH 0307

KNES466 **Graded Exercise Testing**

KNES466 Graded Exercise Testing; (3 credits) Grade Method: REG.
Prerequisite: KNES360 or permission of department. Functional and diagnostic examination of the cardiovascular responses to graded exercise testing. Emphasis on electrophysiology, mechanisms of arrhythmias, normal electrical activation of the heart, axis termination and the normal 12-lead electrocardiogram.

0101	Marc Rogers	Seats (Total: 35)
	TuTh 11:00am - 12:30pm	SPH 0308

KNES466H **Graded Exercise Testing**

KNES466H *(PermReq)* **Graded Exercise Testing; (3 credits)** Grade Method: REG.
Prerequisite: KNES360 or permission of department. Department Permission required.

0101	Marc Rogers	Seats (Total: 2)
	TuTh 11:00am - 12:30pm	SPH 0308

KNES467 **Genetics in Physical Activity and Sport**

KNES467 Genetics in Physical Activity and Sport; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: KNES360. Corequisite: STAT100 or equivalent. Junior standing. Credit will be granted for only one of the following: KNES467 or KNES498Q. Formerly KNES498Q. Dedicated to understanding the role of genetics in kinesiology, especially within the contexts of physical activity and sport. Specific genes and phenotypes will be explored.

0101	Stephen Roth TuTh 9:30am - 10:45am	Seats (Total: 35) SPH 0308

KNES467H **Genetics in Physical Activity and Sport**

KNES467H Genetics in Physical Activity and Sport; (3 credits) Grade Method: REG/P-F.
Prerequisite: KNES360. Corequisite: STAT100 or equivalent. Junior standing. Credit will be granted for only one of the following: KNES467 or KNES498Q. Formerly KNES498Q.

0101	Stephen Roth TuTh 9:30am - 10:45am	Seats (Total: 5) SPH 0308

KNES477 **Honors Thesis**

KNES477 *(PermReq)* **Honors Thesis; (3 credits)** Grade Method: REG.
Restricted to KNES Honors students only. Prerequisite: KNES476. Corequisite: KNES478. Senior standing. Credit will be granted for only one of the following: KNES399 or KNES477. Formerly KNES399. Advisement will be on the individual basis. Thesis must be defended in the honors seminar. Department permission required.

0101	Stephen Roth F 10:00am - 10:50am Contact instructor or department for details.	Seats (Total: 10) SPH 0303

KNES478 **Honors Seminar; Honors Seminar**

KNES478 *(PermReq)* **Honors Seminar: Honors Seminar; (1 credit)** Grade Method: REG.

0101	Stephen Roth F 11:00am - 11:50am	Seats (Total: 20) SPH 0303

KNES483 **Sport Marketing and Media**

KNES483 Sport Marketing and Media; (3 credits) Grade Method: REG/AUD.
Prerequisite: KNES287. Junior standing. Not open to students who have completed KNES498L prior to the Fall 2001 semester. Industry practices in sport marketing and media. Marketing strategies and consumer behavior in different sport contexts. Critical examination of selected social and economic issues related to the buying and selling of sport.

0101	Stephen McDaniel TuTh 11:00am - 12:15pm	Seats (Total: 35) SPH 1302

KNES483H **Sport Marketing and Media**

KNES483H *(PermReq)* **Sport Marketing and Media; (3 credits)** Grade Method: REG/AUD.
Prerequisite: KNES287. Junior standing. Not open to students who have completed KNES498L prior to the Fall 2001 semester.

0101	Stephen McDaniel TuTh 11:00am - 12:15pm	Seats (Total: 3) SPH 1302

KNES497 **Independent Studies Seminar**

KNES497 Independent Studies Seminar; (3 credits) Grade Method: REG. CORE Capstone (CS) Course.
Prerequisite: ENGL391, ENGL393, ENGL394, or ENGL395; and STAT100 or equivalent. 100 semester hours. Senior standing. For KNES majors only. Discussions of contemporary issues vital to the discipline, critiques of research in the student's area/areas of special interest, completion of a major project where the student will be asked to demonstrate the ability to carry out investigative processes in problem solving and critical writing under faculty direction. All sections except 0201 will meet in SPH 1312 on the first day of class.

0101	Stephen McDaniel Tu 4:00pm - 6:30pm Contact instructor or department for details.	Seats (Total: 23) SPH 1312
0102	James Hagberg Tu 4:00pm - 6:30pm Contact instructor or department for details.	Seats (Total: 23) SPH 0302

0103	Eva Chin Tu 4:00pm - 6:30pm Contact instructor or department for details.	Seats (Total: 23) SPH 0303
0104	Florian Kagerer Tu 4:00pm - 6:30pm Contact instructor or department for details.	Seats (Total: 23) SPH 0305
0105	Damion Thomas Tu 4:00pm - 6:30pm Contact instructor or department for details.	Seats (Total: 23) SPH 0308
0106	Marvin Scott Tu 4:00pm - 6:30pm Contact instructor or department for details.	Seats (Total: 23) SPH 1303
0201	Bradley Hatfield Th 4:00pm - 6:30pm Contact instructor or department for details.	Seats (Total: 23) SPH 1302

KNES498 **Special Topics in Kinesiology**

KNES498 *(PermReq)* **Special Topics in Kinesiology; (3 credits)** Grade Method: REG.

0101	Colleen Farmer Contact instructor or department for details.	Seats (Total: 10)

KNES498D **Special Topics in Kinesiology; Basketball and Black Masculinity**

KNES498D Special Topics in Kinesiology: Basketball and Black Masculinity; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisites: KNES293 and junior standing. Click here for more information about this course, which will lead to the Department of Kinesiology website.

0101	Damion Thomas TuTh 9:30am - 10:45am	Seats (Total: 35) SPH 0302

KNES498O **Special Topics in Kinesiology; Psychology of Exercise and Health**

KNES498O Special Topics in Kinesiology: Psychology of Exercise and Health; (3 credits) Grade Method: REG/AUD.
Also offered as KNES689O. Prerequisite KNES350 and Senior standing. Click here for more information about this course, which will lead to the Department of Kinesiology website.

0101	Seppo Iso-Ahola M 4:00pm - 6:30pm	Seats (Total: 25) SPH 0302

KNES498T **Special Topics in Kinesiology; Principles and Applications of Exercise Rehabilitation**

KNES498T Special Topics in Kinesiology: Principles and Applications of Exercise Rehabilitation; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisites: KNES300/KNES300H and KNES360/KNES360H. Click here for more information about this course, which will lead to the Department of Kinesiology website.

0101	Larry Plotkin TuTh 8:00am - 9:15am	Seats (Total: 35) SPH 1302

KNES498V **Special Topics in Kinesiology; Neural Basis of Visual Motor Learning and Adaptation**

KNES498V Special Topics in Kinesiology: Neural Basis of Visual Motor Learning and Adaptation; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisites: KNES385 or KNES462. Click here for more information about this course, which will lead to the Department of Kinesiology website.

0101	Florian Kagerer MW 2:00pm - 3:15pm	Seats (Total: 35) SPH 0308

KNES498Y **Special Topics in Kinesiology; Managing Youth Programs: Educational Fitness and Sport**

KNES498Y Special Topics in Kinesiology: Managing Youth Programs: Educational Fitness and Sport; (3 credits) Grade Method: REG/AUD.
Prerequisites: KNES287, KNES370, and Junior standing. Click here for more information about this course, which will lead to the Department of Kinesiology website.

0101	Marvin Scott MWF 10:00am - 10:50am	Seats (Total: 35) SPH 1303

KNES609 **Research Issues in Kinesiology**

KNES609 *(PermReq)* **Research Issues in Kinesiology; (1 credit)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

KNES610 **Methods and Techniques of Research**

KNES610 Methods and Techniques of Research; (3 credits) Grade Method: REG/AUD.
Studies methods and techniques of research used in Kinesiology; an analysis of examples of their use; and practice in their application to problems of interest to the student.

0101	Seppo Iso-Ahola W 7:00pm - 9:30pm	Seats (Total: 20) SPH 0305

KNES618 **Current Readings in Kinesiogenomics**

KNES618 Current Readings in Kinesiogenomics; (1 credit) Grade Method: REG/AUD.

0101	Stephen Roth F 12:00pm - 12:50pm	Seats (Total: 12) SPH 0303

KNES636 **Sport and Mass Media**
Contact department for information to register for this course.

KNES689 **Special Problems in Kinesiology**

KNES689 *(PermReq)* **Special Problems in Kinesiology; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

KNES689F **Special Problems in Kinesiology; Neuromechanics of Muscle**

KNES689F Special Problems in Kinesiology: Neuromechanics of Muscle; (3 credits) Grade Method: REG/AUD.

0101	Jae Kun Shim, Espen Spangenburg, John Jeka, Tim Kiemel Tu 5:00pm - 7:45pm	Seats (Total: 15) SPH 0124

KNES689O **Special Problems in Kinesiology; Psychology of Exercise and Health**

KNES689O Special Problems in Kinesiology: Psychology of Exercise and Health; (3 credits) Grade Method: REG/AUD.
Also offered as KNES498O.

0101	Seppo Iso-Ahola M 4:00pm - 6:30pm	Seats (Total: 25) SPH 0302

KNES689X **Special Problems in Kinesiology; Historical Perspectives: Physical Cultural Studies**

KNES689X Special Problems in Kinesiology: Historical Perspectives: Physical Cultural Studies; (3 credits) Grade Method: REG/AUD.

0101	Jessica Schultz M 4:00pm - 6:30pm	Seats (Total: 15) SPH 0305

KNES689Y **Special Problems in Kinesiology; Public Health and Research Ethics**

KNES689Y Special Problems in Kinesiology: Public Health and Research Ethics; (1 credit) Grade Method: REG/AUD.

0101	James Hagberg, Deborah Young F 11:00am - 11:50am *Also offered as EPIB641*	Seats (Total: 30) SPH 0305

KNES695 **Laboratory Techniques in Exercise Physiology**

KNES695 Laboratory Techniques in Exercise Physiology; (3 credits) Grade Method: REG/AUD.
Prerequisite: KNES 360. Lab exercise testing techniques and interpretation. Includes graded exercise testing, VO2 max, lactate threshold, phlebotomy, exercise economy, body composition, muscle biopsy, resting metabolic rate, anaerobic power and blood flow.

0101	Marc Rogers	Seats (Total: 10)
	W 4:00pm - 6:45pm	SPH 1303

KNES789 **Advanced Seminar**

KNES789 *(PermReq)* **Advanced Seminar; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

KNES789K **Advanced Seminar; Advanced Electroencephalography**

KNES789K Advanced Seminar: Advanced Electroencephalography; (3 credits) Grade Method: REG/AUD.

0101	Jose Contreras-Vidal	Seats (Total: 15)
	Th 5:00pm - 7:45pm	SPH 0124

KNES799 **Master's Thesis Research**

KNES799 *(PermReq)* **Master's Thesis Research; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

KNES898 **Pre-Candidacy Research**

KNES898 *(PermReq)* **Pre-Candidacy Research; (1-8 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

KNES899 **Doctoral Dissertation Research**

KNES899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

KORA Korean Spring 2009

KORA102 **Elementary Korean II**

KORA102 Elementary Korean II; (3 credits) Grade Method: REG.
Prerequisite: KORA101 or equivalent. For non-Heritage students only. Instructor permission required for new students. Continued training in elementary spoken and written Korean.

0101	Younghi Ramsey	Seats (Total: 15)
	TuTh 2:00pm - 3:15pm	JMZ 2125

KORA202 **Intermediate Korean II**

KORA202 Intermediate Korean II; (3 credits) Grade Method: REG. CORE Humanities (HO) Course.
Prerequisite: KORA201 or permission of instructor. The second stage of an intermediate-level course designed for non-Heritage students. It continues the second year of instruction in the University's two track Korean Program.

0101	Younghi Ramsey	Seats (Total: 15)
	TuTh 9:30am - 10:45am	JMZ 2125

KORA212 **Introductory Reading for Speakers of Korean II**

KORA212 Introductory Reading for Speakers of Korean II; (3 credits) Grade Method: REG. CORE Humanities (HO) Course.
Prerequisite: KORA211. Not open to students who have completed four or more years of schooling in Korea. Continuation of KORA211; grammar, style, usage, and vocabulary of written Korean.

0101	Younghi Ramsey	Seats (Total: 15)
	TuTh 11:00am - 12:15pm	JMZ 2125

0201	Jihye Moon	Seats (Total: 15)	
	TuTh 12:30pm - 1:45pm	JMZ 2125	

KORA312 **Korean for Heritage Speakers, Advanced-Low II**

KORA312 Korean for Heritage Speakers, Advanced-Low II; (3 credits) Grade Method: REG.
Prerequisite: KORA311 or permission of instructor. Not open to students who have completed eight or more years of schooling in Korea. Concludes the second year of the Heritage-language instruction in the University's two-track Korean Program.

0101	Younghi Ramsey	Seats (Total: 15)	
	TuTh 3:30pm - 4:45pm	JMZ 1124	

KORA499 **Independent Study Korean**

KORA499 *(PermReq)* **Independent Study Korean; (1-3 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

LARC Landscape Architecture Spring 2009

LARC140 **Graphic Fundamentals Studio**

LARC140 *(PermReq)* **Graphic Fundamentals Studio; (4 credits)** Grade Method: REG.
Prerequisite: permission of LARC program. Recommended: LARC160 (concurrently). For LARC majors only. Basic techniques and application of various media for graphic communication associated with landscape architecture.

0101	Lisa Sirian, Judy Hanks-Henn, Dennis Nola	Seats (Total: 18)	
	MW 2:00pm - 2:50pm	PLS 1172	
	MW 3:00pm - 4:50pm	PLS 2154	Lab
0102	Lisa Sirian, Judy Hanks-Henn, Dennis Nola	Seats (Total: 18)	
	TuTh 2:00pm - 2:50pm	PLS 1176	
	TuTh 3:00pm - 4:50pm	PLS 2154	Lab

LARC160 **Introduction to Landscape Architecture**

LARC160 Introduction to Landscape Architecture; (3 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course.
History, theory, philosophy and current practice of the profession of landscape architecture. Explores the interactive relationship between humans and their environment by examining people's perceptions of and changing attitude towards the landscape, as well as, an examination of how these are related to ecological and cultural influences.

0101	Jack Sullivan MW 10:00am - 10:50am M 11:00am - 11:50am	Seats (Total: 20) PLS 1140 PLS 1111	 Discussion
0102	Jack Sullivan MW 10:00am - 10:50am W 11:00am - 11:50am	Seats (Total: 20) PLS 1140 PLS 1111	 Discussion
0103	Jack Sullivan MW 10:00am - 10:50am F 11:00am - 11:50am	Seats (Total: 20) PLS 1140 PLS 1164	 Discussion
0104	Jack Sullivan MW 10:00am - 10:50am Th 12:30pm - 1:20pm	Seats (Total: 20) PLS 1140 PLS 1146	 Discussion
0105	Jack Sullivan MW 10:00am - 10:50am Th 11:00am - 11:50am	Seats (Total: 20) PLS 1140 PLS 1146	 Discussion

LARC221 **Digital Design Tools**

LARC221 *(PermReq)* **Digital Design Tools; (3 credits)** Grade Method: REG. *Prerequisite: LARC120 and LARC141. Recommended: LARC240 and LARC265. Sophomore standing. For LARC majors only.* The development and application of computing skills as used by the landscape architecture profession. This Computer-Aided Design and Drafting (CADD) course develops computer drafting using a variety of software programs. It also introduces students to Geographic Information Systems (GIS) mapping technologies.

0101	David Myers, Arlie Ison	Seats (Total: 15)	
	TuTh 9:30am - 10:45am	PLS 2137	
	TuTh 11:00am - 12:15pm	PLS 2137	Lab

LARC240 **Graphic Communication and Design Studio**

LARC240 *(PermReq)* **Graphic Communication and Design Studio; (4 credits)** Grade Method: REG/P-F/AUD.
Prerequisites: LARC141 and LARC263. Corequisites: LARC221 and LARC265. Sophomore standing. For LARC majors only. Exploration of graphic presentation techniques and original concept development for landscape architecture planning and design.

0101	Raffaella Fabiani Giannetto	Seats (Total: 15)	
	MW 2:00pm - 2:50pm	PLS 2152	
	MW 3:00pm - 4:50pm	PLS 2152	Lab

LARC265 **Site Analysis and Ecological Principles**
Contact department for information to register for this course.

LARC321 **Landscape Structures and Materials**

LARC321 *(PermReq)* **Landscape Structures and Materials; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisites: LARC320 and LARC340. For LARC majors only. An examination of the use, properties, and detailing of materials used in landscape construction. The use and design of structures in the landscape.

0101	Dennis Nola	Seats (Total: 25)	
	TuTh 9:30am - 10:45am	PLS 1130	
	Th 11:00am - 12:15pm	PLS 2150	Lab

LARC341 **Regional Design Studio**

LARC341 *(PermReq)* **Regional Design Studio; (5 credits)** Grade Method: REG.
Prerequisites: LARC320 and LARC340. Junior standing. For LARC majors only. An examination of the landscape architect's role within the interdisciplinary regional design field incorporating GIS technologies, spatial modeling, and the regional design process.

0101	David Myers	Seats (Total: 15)	
	MW 1:00pm - 1:50pm MW 2:00pm - 4:50pm	PLS 1164 PLS 2150	 Lab

LARC389 **Internship in Landscape Architecture**

LARC389 Internship in Landscape Architecture; (3 credits) Grade Method: REG.

0501	Dennis Nola	Seats (Total: 1)
	Contact instructor or department for details.	

LARC460 **Landscape and Identity: Placemaking Across World Cultures**

LARC460 Landscape and Identity: Placemaking Across World Cultures; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: LARC240 or permission of department. Junior standing. Not open to students who have completed LARC489P. Credit will be granted for only one of the following: LARC460 or LARC489P. Formerly LARC489P. A cross cultural experience that emphasizes the integration of cultural diversity, individual identity and placemaking skills introduced through the landscape architecture curriculum. Explores the landscape as intimately connected to their individual selves and to the collective sense of community. Examines how the mixture of social-cultural systems, on a global scale, impacts the way we shape our built environment. Investigates these phenomena theoretically and analytically through team and individual projects, lectures, films, discussions and presentations.

0101	Shenglin Chang	Seats (Total: 20)
	Tu 6:30pm - 9:15pm	PLS 1117

LARC471 **Capstone Studio: Community Design**

LARC471 *(PermReq)* **Capstone Studio: Community Design; (5 credits)** Grade Method: REG/P-F/AUD. CORE Capstone (CS) Course.
Prerequisites: LARC440 and LARC470. Senior standing. For LARC majors only. A capstone experience that emphasizes the integration of critical thinking skills and methodologies introduced throughout the landscape architecture curriculum. Students apply design and analysis methodologies, evaluate alternative solutions, involve community residents and engage in final design development, using the master plan and site design process, report writing, and oral and graphic presentations. Final presentations are open to the university and the community.

0101	Shenglin Chang	Seats (Total: 15)	
	TuTh 1:00pm - 1:50pm	PLS 2148	
	TuTh 2:00pm - 4:45pm	PLS 2148	Lab

LARC489E **Special Topics in Landscape Architecture; Site Analysis and Ecological Principles for Planting Design**

LARC489E Special Topics in Landscape Architecture: Site Analysis and Ecological Principles for Planting Design; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisites: LARC140, PLSC253, PLSC254. Course emphasis will be placed on analysis of natural systems and cultural influences of the landscape as they relate to visual thinking and the planting design process. The course will familiarize the student with native habitats, reinforce application of design principles, and assess human response in terms of developing a planting plan.

0101	Ann Anderson	Seats (Total: 20)	
	F 9:00am - 12:00pm	PLS 1162	

LARC489G **Special Topics in Landscape Architecture; Green Infrastructure, Linking Landscape and Communities**

LARC489G Special Topics in Landscape Architecture: Green Infrastructure, Linking Landscape and Communities; (1 credit) Grade Method: REG.

0101	David Myers	Seats (Total: 15)	
	Contact instructor or department for details.		

LARC499 **Independent Studies in Landscape Architecture**

LARC499 *(PermReq)* **Independent Studies in Landscape Architecture; (1-4 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

LARC621 **Digital Drafting and Mapping**

LARC621 *(PermReq)* **Digital Drafting and Mapping; (3 credits)** Grade Method: REG/AUD.
Prerequisite: LARC620 or permission of department. The development and application of computing tools as used by the landscape architecture profession. Computer-Aided Design and Drafting (CADD) develops computer drafting skills using a variety of software programs. It also introduces students to Geographic Information Systems (GIS) mapping technologies, computational representations and modeling of landscape processes and solution methods for problems involving the special arrangement of land use activities.

0101	Kameron Aroom	Seats (Total: 8)	
	Th 8:00am - 9:50am	PLS 2156	
	Th 10:00am - 11:50am	PLS 2156	Lab

LARC641 **Graduate Studio II**

LARC641 *(PermReq)* **Graduate Studio II; (5 credits)** Grade Method: REG/AUD.
Prerequisite: LARC640 and permission of department. Corequisite: LARC720. Principles and techniques of site analysis, environmental design and site development for human settlements and interaction with natural systems. Will expand analytical skills through complex site design problems. Students will research, observe and apply low impact development and sustainable practices, become familiar with building and landscape types by investigating alternative arrangements on the land, and understand user needs and design for populations with a range of abilities. Will support LEED and sustainable practices and acknowledge the requirements of public health, safety, and welfare.

0101	Jack Sullivan	Seats (Total: 10)	
	TuTh 1:00pm - 1:50pm	PLS 2156	
	TuTh 2:00pm - 4:50pm	PLS 2156	Lab

LARC663 **Landscape and Garden History**

LARC663 *(PermReq)* **Landscape and Garden History; (3 credits)** Grade Method: REG/AUD.

Prerequisite: permission of department. History of garden making and its evolution into design practice. Students will become familiar with narratives of garden art and landscape architecture through the study of selected key sites, designers, and visual written sources. A focus on gardens' past and afterlife; the nature of primary sources (both built and written), and how these can be evaluated and used. Primary sources will be drawn from several disciplines and include a wide array of genres: treatises, epistolary exchanges, tax returns, novels, poems, paintings and drawings.

0101	Raffaella Fabiani Giannetto	Seats (Total: 10)
	W 9:00am - 11:50am	PLS 2156A

LARC689B **Special topics in Landscape Architecture; Berlin-Washington Capital Urban Spaces and Transatlantic Exchange**

LARC689B *(PermReq)* **Special topics in Landscape Architecture: Berlin-Washington Capital Urban Spaces and Transatlantic Exchange; (3 credits)** Grade Method: REG/AUD.

Prerequisite: permission of department. Capital cities occupy a special position among modern metroples and nation states, buth what exactly characterizes the specific historical and contemporary significance of such captial cities? Focusing on the examples of Berlin and Washington, we will investigate the political, cultural and spatial dimensions of these captials (one-week study-tour to Berlin included; held in conjunction with graduate seminar run by Jun. Prof. Dorothee Brantz, Center for Metropolitan Studies, Technische Universitat Berlin.

0101	Sonja Duempelmann	Seats (Total: 15)
	M 10:00am - 12:50pm	PLS 0104

LARC720 **Environmental Analysis and Site Engineering**

LARC720 *(PermReq)* **Environmental Analysis and Site Engineering; (3 credits)** Grade Method: REG/AUD.

Prerequisite: LARC640 or permission of department.. Corequisite: LARC641. Techniques for prediction of alterations in social and natural processes brought about by human use of the land; application of such assessments to environmental management; basic methods of landscape alteration, augmentation, and control including grading, drainage, road and trail design, and stormwater management.

0101	John Leonard	Seats (Total: 8)	
	Tu 8:00am - 9:50am	PLS 2156	
	Tu 10:00am - 11:50am	PLS 2156	Lab

LASC Certificate in Latin American Studies Spring 2009

LASC235 **Issues in Latin American Studies II**

LASC235 Issues in Latin American Studies II; (3 credits) Grade Method: REG. CORE Humanities (HO) Course. CORE Diversity (D) Course.
Also offered as SPAN235 and PORT235. Credit will be granted for only one of the following: LASC235 or SPAN235 or PORT235. Major issues shaping Latin American and Caribbean societies including the changing constructions of race, ethnicity, gender and class as well as expressions of popular cultures and revolutionary practices. A continuation of LASC/PORT/SPAN234, but completion of 234 is not a prerequisite. Taught in English.

0101	Blenda Femenias	Seats (Total: 35)	
	TuTh 11:00am - 12:15pm	CHM 2201	

LASC448R **Special Topics in Latin American Studies; Identity Discourse and Ethnography in Latin American Indigenous Community**

LASC448R Special Topics in Latin American Studies: Identity Discourse and Ethnography in Latin American Indigenous Community; (3 credits) Grade Method: REG.

0101	Jacqueline Messing	Seats (Total: 20)	
	Tu 2:00pm - 4:30pm	JMZ 2117	

LASC458A **Senior Capstone Course in Latin American Studies; The Amazon Through Film**

LASC458A Senior Capstone Course in Latin American Studies: The Amazon Through Film; (3 credits) Grade Method: REG.
Also offered as ANTH468D.

0101	Janet Chernela	Seats (Total: 30)	
	Th 4:00pm - 6:30pm	WDS 1114	

LATN Latin Spring 2009

LATN101 **Elementary Latin I**

LATN101 Elementary Latin I; (4 credits) Grade Method: REG/P-F/AUD.
A student who has two units of Latin in high school may register for LATN101 for the purposes of review, but ordinarily not for credit.

0101	Joshua Rocchio	Seats (Total: 26)	
	MWF 10:00am - 10:50am	HJP 1104	
	F 9:00am - 9:50am	HJP 1104	Discussion

LATN102 **Elementary Latin II**

LATN102 Elementary Latin II; (4 credits) Grade Method: REG/P-F/AUD.
Prerequisite: LATN101 at UMCP or permission of department.

0101	Steven Rutledge	Seats (Total: 25)
	MWF 10:00am - 10:50am	HBK 0109
	F 9:00am - 9:50am	HBK 0109

LATN201 **Intermediate Latin**

LATN201 Intermediate Latin; (4 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course.
Prerequisite: LATN102 at UMCP or permission of department. Formerly LATN203.

0101	Gregory Staley	Seats (Total: 20)
	TuTh 2:00pm - 3:50pm	HBK 0125

LATN302 **Ovid**

LATN302 Ovid; (3 credits) Grade Method: REG/P-F/AUD.
Major works of Ovidian poetry. Literary and moral atmosphere of Augustan age.

0101	Judith Hallett	Seats (Total: 20)
	Th 5:00pm - 7:50pm	KEY 0124

LATN405 **Lucretius**

LATN405 Lucretius; (3 credits) Grade Method: REG/P-F/AUD.

0101	Eva Stehle M 5:00pm - 7:50pm	Seats (Total: 20) KEY 0121

LATN424 **Silver Age Latin**

LATN424 Silver Age Latin; (3 credits) Grade Method: REG/P-F/AUD.
Reading and analysis of selected texts. Emphasis on the role of Nero and Seneca in literary developments.

0101	Gregory Staley Tu 5:00pm - 7:50pm	Seats (Total: 20) ASY 3215

LATN499 **Independent Study in Latin Language and Literature**

LATN499 *(PermReq)* **Independent Study in Latin Language and Literature; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

LATN624 **Silver Age Latin**

LATN624 Silver Age Latin; (3 credits) Grade Method: REG/AUD.
An investigation of both the evolving Latin language and the major literary figures and genres in prose and poetry of the period from A.D. 14 through the mid-second century.

0101	Gregory Staley Tu 5:00pm - 7:50pm	Seats (Total: 10) ASY 3215

LATN688L **Special Topics in Latin Literature; Lucretius**

LATN688L Special Topics in Latin Literature: Lucretius; (3 credits) Grade Method: REG/AUD.

0101	Eva Stehle M 5:00pm - 7:50pm	Seats (Total: 10) KEY 0121

LATN699 **Independent Studies in Latin Literature**

LATN699 *(PermReq)* **Independent Studies in Latin Literature; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

LATN799 **Master's Thesis Research**

LATN799 *(PermReq)* **Master's Thesis Research; (1-6 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

LBSC Library Science Spring 2009

LBSC605 **Archival Principles, Practices, and Programs**

LBSC605 Archival Principles, Practices, and Programs; (3 credits) Grade Method: REG/AUD.
Prerequisite: permission of department. Introduction to all aspects of archival work, including records management, appraisal, and selection, arrangement and description, preservation, electronic records, reference and outreach. Elements of an archival program. The role and work of archivists. Issues, conditions, and needs in the field.

0101	Jean Dryden	Seats (Total: 25)
	Th 5:30pm - 8:15pm	HBK 0109

LBSC625 **Information Policy**

LBSC625 Information Policy; (3 credits) Grade Method: REG/AUD.
Prerequisite: permission of department. Nature, structure, development and application of information policy. Interactions of social objectives, stakeholders, technology and other forces that shape policy decisions.

0101	John Bertot	Seats (Total: 30)
	Tu 6:00pm - 8:45pm	HBK 2119

LBSC635 **Management and Administration for the Information Professional**

LBSC635 Management and Administration for the Information Professional; (3 credits) Grade Method: REG/AUD.
Not open to students who have completed LBSC630. Management and administrative theory and principles and their implications and applications to information organizations.

0101	Ann Prentice	Seats (Total: 28)
	Class time/details on ELMs	ONLINE

LBSC641 **Selection and Evaluation of Resources for Learning**

LBSC641 Selection and Evaluation of Resources for Learning; (3 credits) Grade Method: REG/AUD.
Prerequisite: permission of department. Criteria and procedures for selecting, evaluating, and using nonprint and electronic resources for learning. Current and evolving issues involving learning resources.

0101	Ann Weeks	Seats (Total: 25)
	Th 5:30pm - 8:15pm	HBK 4113

LBSC642 **Integrating Technology into Learning and Teaching**

LBSC642 Integrating Technology into Learning and Teaching; (3 credits) Grade Method: REG/AUD.
Prerequisite: permission of department. Credit will be granted for only one of the following: LBSC 642 or LBSC 708C. Formerly LBSC708C. Hardware, software, video and other equipment, and networking in schools. Pedagogic uses of information technology, including networked resources and multimedia.

0101	Brenda Anderson	Seats (Total: 25)
	Tu 5:30pm - 8:15pm	PLS 1130

LBSC645 **Literature and Materials for Children**

LBSC645 Literature and Materials for Children; (3 credits) Grade Method: REG/AUD.
Prerequisite: permission of department. Survey of literature and other materials for children and youth. Criteria for evaluating and using such materials as they relate to the needs, interests, reading abilities, and other capabilities of young readers.

SG01	Edith Ching Th 5:30pm - 8:15pm	Seats (Total: 30) SG3 2206

LBSC650 **Information Access Services**

LBSC650 Information Access Services; (3 credits) Grade Method: REG/AUD. *Prerequisite: permission of department.* Information needs, search mediation, search strategies, reference services, information access issues, collection development.

0101	Soo Kim Class time/details on ELMs	Seats (Total: 22) ONLINE
0201	Soo Kim Th 5:30pm - 8:15pm	Seats (Total: 30) HBK 0105

LBSC670 **Organization of Information**

LBSC670 Organization of Information; (3 credits) Grade Method: REG/AUD. *Prerequisite: permission of department.* Functions and evaluation of document and information retrieval systems; analysis and representation of data, information, knowledge, language, and text; metadata for the control of documents and other objects.

0101	Dagobert Soergel Tu 2:00pm - 4:45pm	Seats (Total: 30) HBK 0103
0201	Dagobert Soergel Tu 6:00pm - 8:45pm	Seats (Total: 30) HBK 0103

LBSC690 **Information Technology**

LBSC690 Information Technology; (3 credits) Grade Method: REG/AUD. *Prerequisite: permission of department.* Human-centered design issues, implementation and technical issues, and application and sociotechnical issues of information technology; emerging information technologies.

0201	Jennifer Golbeck Tu 12:30pm - 3:15pm	Seats (Total: 25) PLS 1129

SG01	Allison Druin M 5:30pm - 8:15pm	Seats (Total: 30) SG3 2211

LBSC703 **Field Study in Archives, Records and Information Management**

LBSC703 Field Study in Archives, Records and Information Management; (3 credits) Grade Method: REG/AUD.
Prerequisite: LBSC605 and permission of department. Supervised experience in archival, records, or information management programs in organization and institutions. Application of theories, method s, and approaches to effective carry out work and meet program goals.

0101	Bruce Ambacher Tu 9:30am - 12:15pm	Seats (Total: 21) HBK 4113

LBSC707 **Field Study in Library Service**

LBSC707 Field Study in Library Service; (3 credits) Grade Method: REG/AUD.
Prerequisites: all core courses and permission of department. Unpaid, supervised experience within library operations and/or the opportunity to perform a study to solve a specific problem in a suitable library or other information agency.

0101	Simmona Simmons M 3:00pm - 4:30pm Contact instructor or department for details.	Seats (Total: 25) HBK 4115

LBSC708C **Special Topics in Information Studies; Older Adults Information Needs, Behaviors, and Use**

LBSC708C Special Topics in Information Studies: Older Adults Information Needs, Behaviors, and Use; (3 credits) Grade Method: REG/AUD.

0101	Bo Xie Tu 2:00pm - 4:45pm	Seats (Total: 25) HBK 4113

LBSC708E **Special Topics in Information Studies; E-Government**

LBSC708E Special Topics in Information Studies: E-Government; (3 credits) Grade Method: REG/AUD.

0101	Paul Jaeger W 6:00pm - 8:45pm	Seats (Total: 30) HBK 0105

LBSC708I **Special Topics in Information Studies; Information Ethics**

LBSC708I Special Topics in Information Studies: Information Ethics; (3 credits) Grade Method: REG/AUD.

0101	Kenneth Fleischmann Class time/details on ELMs	Seats (Total: 25) ONLINE

LBSC708P **Special Topics in Information Studies; Communities of Practice**

LBSC708P Special Topics in Information Studies: Communities of Practice; (3 credits) Grade Method: REG/AUD.

0101	Derek Hansen W 1:00pm - 3:45pm	Seats (Total: 30) HBK 0105

LBSC708Q **Special Topics in Information Studies; Digital Preservation**

LBSC708Q Special Topics in Information Studies: Digital Preservation; (3 credits) Grade Method: REG/AUD.

0101	Bruce Ambacher W 5:30pm - 8:15pm	Seats (Total: 30) HBK 0109

LBSC708X **Special Topics in Information Studies; Seminar on E-Discovery**

LBSC708X Special Topics in Information Studies: Seminar on E-Discovery; (1-3 credits) Grade Method: REG/AUD.

0101	Douglas Oard, Jason Baron M 6:00pm - 8:45pm	Seats (Total: 25) HBK 0109

LBSC709 **Independent Study**

LBSC709 Independent Study; (1-3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number. Signed independent study form must be presented to CLIS Admissions Office.

Contact department for information to register for this course.

LBSC715 **Knowledge Management**

LBSC715 Knowledge Management; (3 credits) Grade Method: REG.
Prerequisite: permission of department. Credit will be granted for only one of the following: LBSC 708N or LBSC 715. Formerly LBSC708N. Nature, creation, acquisition, and use of knowledge. Strategic role of knowledge in organizations and institutions. Information and knowledge ecology. Structure and functions of knowledge management systems and the role of the Internet and intranets. Knowledge as intellectual capital. Roles of librarians and information professionals in the knowledge economy. Strategic issues and future trends.

0101	Raymond Paquette Th 2:00pm - 4:45pm	Seats (Total: 30) HBK 0105

LBSC734 **Seminar in the Academic Library**

LBSC734 Seminar in the Academic Library; (3 credits) Grade Method: REG/AUD.
Prerequisite: permission of department. Role of the academic library within the framework of higher education. Planning programs and services, collections, support, fiscal management, physical plant, and cooperation.

0101	Trudi Hahn M 1:00pm - 3:45pm	Seats (Total: 25) HBK 0108

LBSC744 **Field Study in School Library Media Programs**

LBSC744 Field Study in School Library Media Programs; (3 credits) Grade Method: REG/AUD.
Prerequisite: LBSC 741 and LBSC 742; or permission of instructor. Practicum and seminar in library media programs at the elementary, middle, and secondary levels.

0101	Ann Weeks Sa 9:30am - 12:15pm	Seats (Total: 20) HBK 4113

LBSC748 **Advanced Seminar in Children's Literature**

LBSC748 Advanced Seminar in Children's Literature; (3 credits) Grade Method: REG/AUD.

0101	Maria Salvadore M 5:30pm - 8:15pm	Seats (Total: 20) HBK 4115

LBSC756 **Information Access in Science and Technology**

LBSC756 Information Access in Science and Technology; (3 credits) Grade Method: REG/AUD.
Prerequisite: permission of department and LBSC 650. Research methods, information needs, information structure, and information sources and services in science and technology (for example, biology, chemistry, physics, math, agriculture, computer science, engineering).

0101	Neal Kaske W 5:30pm - 8:15pm	Seats (Total: 30) HBK 0115

LBSC766 **Access to Business Information**

LBSC766 Access to Business Information; (3 credits) Grade Method: REG/AUD.
Prerequisite: permission of department and LBSC 650. Research methods, information needs, information structure, information sources and services related to business. Class will meet April 4, 11, 18, 25; May 2 and 9.

0101	Deborah Klein Sa 9:30am - 12:30pm Sa 1:30pm - 4:30pm	Seats (Total: 20) HBK 4115 HBK 4115

LBSC775 **Construction and Maintenance of Index Languages and Thesauri**

LBSC775 Construction and Maintenance of Index Languages and Thesauri; (3 credits) Grade Method: REG/AUD.
Prerequisite: permission of department and LBSC 670. Design of index languages/thesauri and procedures for their construction. Analysis and evaluation of existing index languages/thesauri. Term project in constructing an index language/thesaurus.

0101	Dagobert Soergel M 1:00pm - 3:45pm	Seats (Total: 20) HBK 4113

LBSC781 **Access Techniques and Systems for Archives**

LBSC781 Access Techniques and Systems for Archives; (3 credits) Grade Method: REG/AUD.
Prerequisite: permission of department and LBSC 605. Methods, approaches, and systems to locate, access, and use archival records, including systems analysis, control systems. researcher services, descriptive formats and techniques, and the use of digital technologies and the Internet for accessing archival records.

0101	Jean Dryden Th 9:30am - 12:15pm	Seats (Total: 30) HBK 2119

LBSC783 **Seminar in Technical Services**

LBSC783 Seminar in Technical Services; (3 credits) Grade Method: REG/AUD.
Prerequisite: permission of department. Technical services in large libraries, including acquisitions, cataloging, serials control, automation, cooperative programs, and managerial controls.

0101	Trudi Hahn Tu 5:30pm - 8:15pm	Seats (Total: 25) HBK 0115

LBSC788 **Seminar in Archives, Records, and Information Management**

LBSC788 Seminar in Archives, Records, and Information Management; (3 credits) Grade Method: REG/AUD.
This course will meet on the University of Maryland, College Park campus for the first meeting. All other meetings will take place at a location in the Smithsonian Institution. Please contact the CLIS department for more information.

0101	John Fleckner Tu 5:30pm - 8:15pm	Seats (Total: 20) HBK 0109

LBSC796 **Information Retrieval Systems**

LBSC796 Information Retrieval Systems; (3 credits) Grade Method: REG/AUD. *Prerequisites: MLS core curriculum; and permission of department.* Principles of ogranizing and providing access to information using automated information storage and retrieval systems. Retrieval systems models, index language selection, data structure, user interfaces, and evaluation for text and multimedia applications.

0101	Yan Qu W 6:00pm - 8:45pm	Seats (Total: 25) HBK 2119
0201	Yan Qu W 1:00pm - 3:45pm	Seats (Total: 25) HBK 2119

LBSC799 **Master's Thesis Research**

LBSC799 Master's Thesis Research; (1-6 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

LBSC810 **Individual Research Experience**

LBSC810 *(PermReq)* **Individual Research Experience; (3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: permission of instructor. Restricted to pre-candidacy doctoral students in information studies; other students by permission of instructor only. Pre-candidacy individual research experience directed by a faculty member.

Contact department for information to register for this course.

LBSC878B **Doctoral Seminar in Information Studies; Innovating Information Technology**

LBSC878B Doctoral Seminar in Information Studies: Innovating Information Technology; (3 credits) Grade Method: REG/AUD.

0101	Ping Wang W 6:00pm - 8:45pm	Seats (Total: 15) HBK 4113

LBSC898 **Pre-Candidacy Research**

LBSC898 *(PermReq)* **Pre-Candidacy Research; (1-8 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

LBSC899 **Doctoral Dissertation Research**

LBSC899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

LGBT Lesbian Gay Bisexual Transgender Studies — Spring 2009

LGBT200 **Introduction to Lesbian, Gay, Bisexual, and Transgender Studies**

LGBT200 Introduction to Lesbian, Gay, Bisexual, and Transgender Studies; (3 credits) Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course. CORE Diversity (D) Course.
Not open to students who have completed WMST298E. Credit will be granted for only one of the following: LGBT200 or WMST298E. Formerly WMST298E. An interdisciplinary study of the historical and social contexts of personal, cultural and political aspects of LGBT life. Sources from a variety of fields, such as anthropology, history, psychology, sociology, and women's studies, focusing on writings by and about LGBT people.

0101	JV Sapinoso MW 2:00pm - 3:15pm	Seats (Total: 35) TYD 1132
0201	JV Sapinoso MW 12:30pm - 1:45pm	Seats (Total: 35) WDS 1114

LGBT265 **Introduction to Lesbian, Gay, Bisexual, and Transgender Literature**

LGBT265 Introduction to Lesbian, Gay, Bisexual, and Transgender Literature; (3 credits) Grade Method: REG/P-F/AUD. CORE Literature (HL) Course. CORE Diversity (D) Course.
Also offered as ENGL265. Not open to students who have completed ENGL265. Credit will be granted for only one of the following: ENGL265 or LGBT265. A study of the pervasiveness of homoeroticism in literature from the Renaissance to the present. Emphasis on recurrent themes and motifs and the struggle to find voice within a context of stigma, suppression, and silence. Writers might include Shakespeare, Walt Whitman, Emily Dickinson, Oscar Wilde, Willa Cather, James Baldwin, Andre Lorde, Adrienne Rich.

0101	James Goodwin	Seats (Total: 35)
	TuTh 11:00am - 12:15pm	TYD 2111

LGBT386 **Lesbian, Gay, Bisexual, and Transgender Community Organization Internship**

LGBT386 *(PermReq)* **Lesbian, Gay, Bisexual, and Transgender Community Organization Internship; (3-6 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: 9 credits in LGBT studies and permission of program. Supervised internship experience with a community organization that expressly serves lesbian, gay, bisexual, and transgender people. Students will be expected to relate course material to experience in an analysis of an organization's activities.

Contact department for information to register for this course.

LGBT448E **Special Topics in Lesbian, Gay, Bisexual, and Transgender Studies; Asian American Sexualities**

LGBT448E Special Topics in Lesbian, Gay, Bisexual, and Transgender Studies: Asian American Sexualities; (3 credits) Grade Method: REG/P-F/AUD. CORE Diversity (D) Course.
Also offered as AAST498E.

0101	Gemirald Daus	Seats (Total: 40)
	MW 12:00pm - 1:15pm	ASY 3203

LGBT448F **Special Topics in Lesbian, Gay, Bisexual, and Transgender Studies; LGBT Families**

LGBT448F Special Topics in Lesbian, Gay, Bisexual, and Transgender Studies: LGBT Families; (3 credits) Grade Method: REG/P-F/AUD. CORE Diversity (D) Course.

0101	Ruti Kadish	Seats (Total: 35)
	MW 9:30am - 10:45am	PLS 1119

LGBT488B **Seminar in Lesbian, Gay, Bisexual, and Transgender Studies; LGBTQ Politics and Social Movements**

LGBT488B *(PermReq)* **Seminar in Lesbian, Gay, Bisexual, and Transgender Studies: LGBTQ Politics and Social Movements; (3 credits)** Grade Method: REG/P-F/AUD.
Also offered as CMLT498Y.

0101	Christina Hanhardt	Seats (Total: 12)
	TuTh 2:00pm - 3:15pm	SQH 2123

LGBT499 **Independent Study**

LGBT499 *(PermReq)* **Independent Study; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

LING Linguistics Spring 2009

LING200 **Introductory Linguistics**

LING200 Introductory Linguistics; (3 credits) Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course.
Does not count toward the Linguistics major and does not fulfill prerequisite requirements for all upper-level courses. Not open to students who have completed HESP120. Credit will be granted for only one of the following: HESP120 or LING200.
An exploration of the nature of human language, designed for non-majors. Introduction to the basic concepts and methodology of modern linguistic analysis (sound systems, word formation, sentence structure). Additional topics may include: semantics, pragmatics, social aspects of language, dialects, language change, acquisition, writing systems, typology, language universals, comparison with other communication systems, etc.

0101	Tonia Bleam MW 2:00pm - 2:50pm F 10:00am - 10:50am	Seats (Total: 30) HJP 0226 TLF 1103	Discussion
0104	Tonia Bleam MW 2:00pm - 2:50pm Th 11:00am - 11:50am	Seats (Total: 30) HJP 0226 COL 0113	Discussion
0105	Tonia Bleam MW 2:00pm - 2:50pm Th 12:30pm - 1:20pm	Seats (Total: 30) HJP 0226 JMZ 0208	Discussion
0106	Tonia Bleam MW 2:00pm - 2:50pm Th 2:00pm - 2:50pm	Seats (Total: 30) HJP 0226 TLF 1101	Discussion
0107	Tonia Bleam MW 2:00pm - 2:50pm F 11:00am - 11:50am	Seats (Total: 30) HJP 0226 PLS 1117	Discussion
0108	Tonia Bleam MW 2:00pm - 2:50pm Th 2:00pm - 2:50pm	Seats (Total: 30) HJP 0226 BPS 1124	Discussion

LING240 **Language and Mind**

LING240 Language and Mind; (3 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course.
Required for LING majors and recommended for students in related fields.. The study of language as a cognitive phenomenon. Focus on mastering the concepts and technical skills required for further courses in linguistics. Ways of representing people's knowledge of their native language, ways in which that knowledge is attained naturally by children, and how it is used in speaking and listening. Additional topics may include: animal communication, language and the brain, language and thought.

0101	Margaret Antonisse MWF 10:00am - 10:50am	Seats (Total: 50) TYD 2109	

LING311 **Syntax I**

LING311 Syntax I; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: LING240. Basic concepts, analytical techniques of generative syntax, relation to empirical limits imposed by viewing grammars as representations of a component of human mind. Aspects of current theories. Knowledge from Syntax I will be assumed.

0101	Tonia Bleam	Seats (Total: 25)
	TuTh 2:00pm - 3:15pm	SKN 1112

LING312 **Syntax II**

LING312 Syntax II; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: LING311. Continuation of LING311. Development of theories of syntax. Criteria for revising theories. Methods and strategies of scientific efforts to explain natural phenomena.

0101	Norbert Hornstein	Seats (Total: 30)
	TuTh 2:00pm - 3:15pm	HZF 0106

LING321 **Phonology I**

LING321 Phonology I; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: LING240. Properties of sound systems of human languages, basic concepts and analytical techniques of generative phonology. Empirical limits imposed by viewing grammars as cognitive representations. Physiological properties and phonological systems; articulatory phonetics and distinctive feature theory.

0101	Margaret Antonisse	Seats (Total: 30)
	TuTh 12:30pm - 1:45pm	MMH 0108

LING322 **Phonology II**

LING322 Phonology II; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: LING321. Continuation of LING321. Further investigation of phonological phenomena and phonological theory. Revising and elaborating the theory of the phonological representation; interaction of phonology and morphology.

0101	William Idsardi	Seats (Total: 30)
	TuTh 11:00am - 12:15pm	PHY 1201

LING350 **Philosophy of Language**

LING350 Philosophy of Language; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: PHIL170 or PHIL173 or PHIL371; or LING311.* The nature and function of language and other forms of symbolism from a philosophical perspective. Also offered as PHIL360.

0101	Erin Eaker	Seats (Total: 30)
	TuTh 9:30am - 10:45am	SKN 1115

LING419A **Topics in Syntax; Fitting Syntax and Semantics Together**

LING419A Topics in Syntax: Fitting Syntax and Semantics Together; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: LING311.

0101	Timothy Hunter	Seats (Total: 10)
	MW 11:00am - 12:15pm	ARM 0120

LING499 **Directed Studies in Linguistics**

LING499 *(PermReq)* **Directed Studies in Linguistics; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

LING499A **Directed Studies in Linguistics; Seminar in Psycholinguistics**

LING499A Directed Studies in Linguistics: Seminar in Psycholinguistics; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: LING311 and LING321. Investigation of the syntax, processing and learning of long-distance dependencies (such as wh-movement). Students learn to design, conduct, and analyze data from an experimental study.

0101	Akira Omaki	Seats (Total: 10)
	TuTh 9:30am - 10:45am	ARM 0118

LING499H **Directed Studies in Linguistics**

LING499H *(PermReq)* **Directed Studies in Linguistics; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

LING611 **Issues in Syntax**

LING611 Issues in Syntax; (3 credits) Grade Method: REG/AUD.
Prerequisite: LING 610. Topics of current theoretical interest examined through data from a variety of languages.

0101	Norbert Hornstein, Howard Lasnik	Seats (Total: 15)
	Tu 9:30am - 12:00pm	MMH 1108B

LING617 **Comparative Grammar and Psycho-Linguistics**

LING617 Comparative Grammar and Psycho-Linguistics; (3 credits) Grade Method: REG/AUD.
Prerequisite: LING610. Recommended: LING640. Techniques of grammatical analysis and shows how selecting the right grammatical phenomenon is critical for asking the right questions in processing/acquisition and how results using psycho-linguistic techniques can be used to shed light on grammar evaluation.

0101	Norbert Hornstein, Jeffrey Lidz	Seats (Total: 25)
	MW 9:30am - 10:45am	WDS 1127

LING621 **Issues in Phonology**

LING621 Issues in Phonology; (3 credits) Grade Method: REG/AUD.
Prerequisite: LING 620. Topics of current interest in phonological theory examined through data from several languages.

0101	William Idsardi	Seats (Total: 15)
	Tu 2:00pm - 5:00pm	ARM 0101

LING641 **Issues in Psycholinguistics**

LING641 Issues in Psycholinguistics; (3 credits) Grade Method: REG/AUD. *Prerequisite: LING 640.* Topics of current interest in psycholinguistics, including both theoretical approaches and experimental and analytical issues in language acquisition, language processing, and neurolinguistics. C. Phillips and J. Lidz will co-teach this class.

0101	Colin Phillips MW 12:30pm - 2:00pm	Seats (Total: 15) ARM 0101

LING661 **Issues in Semantics**

LING661 Issues in Semantics; (3 credits) Grade Method: REG/AUD. *Prerequisite: LING 660 or permission of department.* A second course in semantic theory. Application of basic concepts and methods to topics of current theoretical interest.

0101	Valentine Hacquard TuTh 2:00pm - 3:30pm	Seats (Total: 10) JMZ 1226

LING689 **Independent Study**

LING689 Independent Study; (1-3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

LING689A **Independent Study; Classic Papers in Semantics**

LING689A Independent Study: Classic Papers in Semantics; (1-3 credits) Grade Method: REG/AUD.

0101	Valentine Hacquard M 2:00pm - 5:00pm	Seats (Total: 15) ARM 0103

LING689B **Independent Study; Psycholinguistics**

LING689B Independent Study: Psycholinguistics; (3 credits) Grade Method: REG/AUD.

0101	Jeffrey Lidz Tu 2:00pm - 5:00pm	Seats (Total: 15) ARM 0102

LING698 **Directed Study; Seminar**

LING698 Directed Study: Seminar; (1-3 credits) Grade Method: REG/AUD.
Click here for more course information.

0101	Howard Lasnik	Seats (Total: 2)
	F 2:00pm - 4:00pm	MMH 1304

LING773 **Computational Linguistics II**

LING773 Computational Linguistics II; (3 credits) Grade Method: REG/AUD.
Prerequisite: LING723 or CMSC723; or permission of instructor. Also offered as CMSC773. Not open to students who have completed LING647. Formerly LING647.
Natural language processing with a focus on corpus-based statistical techniques. Topics include: stochastic language modeling, smoothing, noisy channel models, probabilistic grammars and parsing; lexical acquisition, similarity-based methods, word sense disambiguation, statistical methods in NLP applications; system evaluation.

0101	Philip Resnik	Seats (Total: 20)
	W 1:30pm - 4:00pm	CSI 1122

LING798 **Research Papers in Linguistics**

LING798 *(PermReq)* **Research Papers in Linguistics; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

LING799 **Master's Thesis Research**

LING799 Master's Thesis Research; (1-6 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

LING819 **Seminar in Syntactic Theory**

LING819 Seminar in Syntactic Theory; (3 credits) Grade Method: REG/AUD.

0101	Howard Lasnik Tu 3:30pm - 6:00pm	Seats (Total: 15) MMH 1108B

LING849 **Seminar in Psycholinguistics**

LING849 Seminar in Psycholinguistics; (3 credits) Grade Method: REG/AUD.

0101	Jeffrey Lidz W 2:00pm - 5:00pm	Seats (Total: 15) WDS 1114

LING879 **Seminar in Semantics**

LING879 Seminar in Semantics; (3 credits) Grade Method: REG/AUD.

0101	Paul Pietroski Th 9:00am - 12:00pm	Seats (Total: 10) MMH 1108B

LING889 **Directed Research**

LING889 Directed Research; (1-8 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

LING889A **Directed Research; Classic Papers in Semantics**

LING889A Directed Research: Classic Papers in Semantics; (1-8 credits) Grade Method: REG/AUD.

0101	Valentine Hacquard M 2:00pm - 5:00pm	Seats (Total: 15) ARM 0103

LING889B **Directed Research; Psycholinguistics**

LING889B Directed Research: Psycholinguistics; (1-8 credits) Grade Method: REG/AUD.

0101	Amy Weinberg M 3:00pm - 5:30pm	Seats (Total: 15) JMZ 1224

LING895 **Doctoral Research Paper**

LING895 Doctoral Research Paper; (6 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

LING896 **Research Paper in Minor Area**

LING896 Research Paper in Minor Area; (3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: LING 895. This course is designed to strengthen the students' ability to do research in a minor area of expertise, and to help them create a publishable piece. In addition, the course constitutes part of a set of requirements to advance to doctoral candidacy.

Contact department for information to register for this course.

LING898 **Pre-Candidacy Research**

LING898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

LING899 **Doctoral Dissertation Research**

LING899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

MAIT Masters in the Mathematics of Advanced Industrial Tech Spring 2009

MAIT613 **Advanced Applied Linear Algebra**

MAIT613 Advanced Applied Linear Algebra; (3 credits) Grade Method: REG/AUD. *Prerequisite: Knowledge of basic linear algebra and computation or permission of instructor.* Tools and techniques of computational linear algebra for applications. Topics include: linear systems and least squares problems, error analysis, accuracy and stability, matrix decompositions, iterative solvers, Krylov subspace methods, symmetric and non-symmetric eigenvalue problems, singular value decomposition.

0101	Andrew Kebo F 6:00pm - 8:45pm	Seats (Total: 20) 3206 MTH

MAIT624 **Modern Mathematical Methods of Signal and Image Processing II**

MAIT624 Modern Mathematical Methods of Signal and Image Processing II; (3 credits) Grade Method: REG/AUD.
Prerequisite: MAIT623 or permission of instructor. Advanced studies of state of the art signal/image processing using applied/numerical harmonic analysis. Topics include stable signal representation and erasure channel problems, 2nd-generation wavelets, geometric sub-division schemes for multi-dimensional problems, level set approaches, estimation and analysis of sensor data, and non-uniform sampling methods.

0101	Glenn Easley Th 6:00pm - 8:45pm *This course is taught at 1000 Wilson Blvd in Arlington, VA*	Seats (Total: 15) 1000 WILS BLV

MAIT679A **Special Topics in Mathematics of Advanced Industrial Technology**
Contact department for information to register for this course.

MAIT679M **Special Topics in Mathematics of Advanced Industrial Technology; Introduction to Financial Mathematics**

MAIT679M Special Topics in Mathematics of Advanced Industrial Technology: Introduction to Financial Mathematics; (3 credits) Grade Method: REG/AUD.
Also offered as AMSC698M.

0101	Enrico Au Yeung Tu 6:00pm - 8:45pm	Seats (Total: 20) MTH 3206

MAIT699 **Independent Masters Project**

MAIT699 Independent Masters Project; (1-3 credits) Grade Method: REG/AUD.

0501	John Benedetto Contact instructor or department for details.	Seats (Total: 10)
0902	Wojciech Czaja Contact instructor or department for details.	Seats (Total: 10)

2911	Andrew Kebo	Seats (Total: 5)
	Contact instructor or department for details.	

MATH Mathematics Spring 2009

MATH003 **Developmental Mathematics**

MATH003 Developmental Mathematics; (3 credits) Grade Method: S-F. *Recommended: for students who plan to take MATH110, MATH111, MATH113, MATH115 or STAT100, but are not currently qualified to do so.* MATH003 is a review of Intermediate High School Algebra intended for students preparing for one of the credit bearing Fundamental Studies Math Courses. It is taught in special computer labs using a self-paced computer program. The curriculum will be geared toward the student's level of algebra skills and eventual goals. There is a special fee for the course that may be applied in addition to the regular tuition charge. Students should refer to the schedule of classes for details on fees as they apply to a particular semester. The course does not carry any credit toward any degree at the University. The course is repeatable. Topics will be chosen from exponents, polynomials, linear equations, quadratic equations as well as polynomial, rational, exponential and logarithm functions and elementary probability or statistics, depending on the student. There is a special fee for this class.

0201	Justin Malin MWF 10:00am - 11:50am	Seats (Total: 30) CEN 0200
0202	Justin Malin MWF 10:00am - 11:50am	Seats (Total: 15) COL 0104
0301	Kristy Vernille Blocklin MWF 12:00pm - 1:50pm	Seats (Total: 35) CEN 0200
0302	Kristy Vernille Blocklin MWF 12:00pm - 1:50pm	Seats (Total: 15) COL 0104
0601	Colleen Terpos TuTh 8:00am - 10:45am	Seats (Total: 30) CEN 0200
0602	Colleen Terpos TuTh 8:00am - 10:45am	Seats (Total: 15) COL 0104

0701	Colleen Terpos TuTh 11:00am - 1:45pm	Seats (Total: 30) CEN 0200
0702	Colleen Terpos TuTh 11:00am - 1:45pm	Seats (Total: 15) COL 0104

MATH010 **Algebra for MATH 110**

MATH 010, MATH 011, MATH 013 and MATH 015 are preparation courses for MATH 110, MATH 111, MATH 113 and MATH 115 respectively and meet only for the first 5 weeks of the semester. Special sections of MATH 110, MATH 111, MATH 113 and MATH 115 will begin at this point and the student will automatically be enrolled in the course provided he/she passes the Placement Exam for that course at the end of the 5 week period. If the Placement Exam is not passed at this point, the student will be placed in MATH 003. There will be a fee for these courses, the same as for MATH003. For the students who move into MATH 003 from MATH 010, MATH 011, MATH 013 or MATH 015, no new fee will be charged.

MATH010 Algebra for MATH 110; (3 credits) Grade Method: REG/P-F/AUD. *There is a special fee for this class in addition to the regular tuition charge.* A review of Intermediate High School Algebra intended for students preparing for MATH110. It is taught 5 days per week for the first 5 weeks, then leads directly into a special section of MATH110, the same semester, which also meets 5 days per week. Continuation in MATH110 is conditional on the student passing the MATHEMATICS PLACEMENT EXAM at the appropriate level. Topics include linear equations, linear inequalities, operations on polynomials, factoring, solutions of quadratic equations, as well as exponential and logarithm functions. MATH010 does not carry any credit toward any degree at the University, nor is it graded. It leads to either MATH110 or MATH003, both of which are graded.

1101	Elizabeth Shearn MWF 10:00am - 10:50am TuTh 10:00am - 10:50am	Seats (Total: 25) MTH 0304 MTH 0401
1201	Elizabeth Shearn MTuWThF 11:00am - 11:50am	Seats (Total: 25) ARM 0105
1301	Debra Franklin MTuWThF 12:00pm - 12:50pm	Seats (Total: 25) ARM 0105

MATH011 **Algebra for MATH 111**

MATH011 Algebra for MATH 111; (3 credits) Grade Method: REG/P-F/AUD. *There is a special fee for this class in addition to the regular tuition charge.* A review of Intermediate High School Algebra intended for students preparing for MATH111. It is taught 5 days per week for the first 5 weeks, then leads directly into a special section of MATH111, the same semester, which also meets 5 days per week. Continuation in MATH 111 is conditional on the student passing the MATHEMATICS PLACEMENT EXAM at the appropriate level. Topics include exponents, polynomials, linear equations, quadratic equations, as well as polynomial, rational, exponential and logarithm functions, Venn diagrams, permutations and combinations. MATH011 does not carry any credit toward any degree at the University, nor is it graded. It leads directly to MATH111 (or MATH113 or MATH110), or MATH003, all of which are graded.

1201	Marguerite Jarchow MTuWThF 10:00am - 10:50am	Seats (Total: 25) ARM 0116

MATH013 **Algebra for MATH 113**

MATH013 Algebra for MATH 113; (3 credits) Grade Method: REG/P-F/AUD. *There is a special fee for this class in addition to the regular tuition charge.* A review of Intermediate High School Algebra intended for students preparing for MATH113. It is taught 5 days per week for the first 5 weeks, then leads directly into a special section of MATH113, the same semester, which also meets 5 days per week. Continuation in MATH113 is conditional on the student passing the MATHEMATICS PLACEMENT EXAM at the appropriate level. Topics include exponents, polynomials, linear equations, quadratic equations, as well as polynomial, rational, exponential and logarithm functions. MATH013 does not carry any credit toward any degree at the University, nor is it graded. It leads directly to MATH113 (or MATH110), or MATH003, all of which are graded.

1101	Santuria Orsetti MTuWThF 11:00am - 11:50am	Seats (Total: 28) ARM 0116
1301	Matthew Konicki MTuWThF 1:00pm - 1:50pm	Seats (Total: 28) ARM 0116

MATH015 **Algebra for MATH 115**

MATH015 Algebra for MATH 115; (3 credits) Grade Method: REG/P-F/AUD.
There is a special fee for this class in addition to the regular tuition charge. A review of Intermediate High School Algebra intended for students preparing for MATH115. It is taught 5 days per week for the first 5 weeks, then leads directly into a special section of MATH115, the same semester, which also meets 5 days per week. Continuation in MATH115 is conditional on the student passing the MATHEMATICS PLACEMENT EXAM at the appropriate level. Topics include exponents, polynomials, linear equations in one and two variables, quadratic equations, as well as polynomial, rational, exponential and logarithm functions. MATH015 does not carry any credit toward any degree at the University, nor is it graded. It leads directly to MATH115 (or MATH111 or MATH113 or MATH110), or MATH003, all of which are graded.

1201	Esther David MTuWThF 1:00pm - 1:50pm	Seats (Total: 25) MTH 0302

MATH110 **Elementary Mathematical Models**

MATH110 Elementary Mathematical Models; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: permission of department based on satisfactory score on the MATHEMATICS PLACEMENT EXAM, or satisfactory completion of MATH003 with the appropriate eligibility. Not open to students majoring in mathematics, engineering, business, life sciences, and the physical sciences. Not open to students who have completed MATH 140, MATH 220, or any MATH or STAT course for which MATH 140 or MATH 220 is a prerequisite. Credit will be granted for only one of the following: MATH110, MATH112, or MATH113. Topics include simple and compound interest; recursion for computing balances; installment loans and amortization; approximating data by linear models; analysis of applications to real-world collections of data; probability; conditional probability; independence; expected value; graphing and analysis of systems of inequalities; linear programming and applications. All sections will require the use of a TI graphics calculator. Instructor will use a TI-83 or a TI-83+ calculator.

0101	Julie Daberkow MWF 11:00am - 11:50am	Seats (Total: 27) MTH B0423
0102	Safa Motesharrei MWF 11:00am - 11:50am	Seats (Total: 27) MTH 0102

0201	Julie Daberkow MWF 12:00pm - 12:50pm	Seats (Total: 27) MTH B0423
0202	Hisham Talukder MWF 12:00pm - 12:50pm	Seats (Total: 27) MTH 0102
0301	Karamatou Yacoubou Djima MWF 1:00pm - 1:50pm	Seats (Total: 27) MTH 0303
0302	Hisham Talukder MWF 1:00pm - 1:50pm	Seats (Total: 27) MTH 0102
0401	Safa Motesharrei MWF 2:00pm - 2:50pm	Seats (Total: 27) MTH 0102
0402	Changhui Tan MWF 2:00pm - 2:50pm	Seats (Total: 27) MTH 0105
1101	Elizabeth Shearn MWF 10:00am - 10:50am TuTh 10:00am - 10:50am	Seats (Total: 25) MTH 0304 MTH 0401
1201	Elizabeth Shearn MTuWThF 11:00am - 11:50am	Seats (Total: 25) ARM 0105
1301	Debra Franklin MTuWThF 12:00pm - 12:50pm	Seats (Total: 25) ARM 0105

MATH111 **Introduction to Probability**

MATH111 Introduction to Probability; (3 credits) Grade Method: REG/P-F/AUD. CORE Mathematics or Formal Reasoning (MS) Course.
Prerequisite: permission of department based on satisfactory score on the MATHEMATICS PLACEMENT EXAM, or satisfactory completion of MATH003 with the appropriate eligibility or MATH110. Not open to students majoring in mathematics, engineering or the physical sciences. Not open to students who have completed STAT100 or any MATH or STAT course with a prerequisite of MATH141. Credit will be granted for only one of the following: MATH111 or STAT100. Logic, Boolean algebra, counting, probability, random variables, expectation, applications of the normal probability distribution.

0101	Sompong Chuysurichay MWF 1:00pm - 1:50pm	Seats (Total: 31) ARM 0110	
0102	Sauleh Siddiqui MWF 1:00pm - 1:50pm	Seats (Total: 31) MTH B0421	
0103	Benjamin Sibley MWF 1:00pm - 1:50pm	Seats (Total: 30) MTH 0407	
0104	Kevin McGoff MWF 1:00pm - 1:50pm	Seats (Total: 31) MTH 0101	
0105	Geetanjali Kachari MWF 1:00pm - 1:50pm	Seats (Total: 30) MTH B0425	
0106	Eric Hamilton MWF 1:00pm - 1:50pm	Seats (Total: 30) MTH B0423	
0201	Sompong Chuysurichay MWF 2:00pm - 2:50pm	Seats (Total: 30) ARM 0110	
0202	Sauleh Siddiqui MWF 2:00pm - 2:50pm	Seats (Total: 30) MTH B0421	
0203	Benjamin Sibley MWF 2:00pm - 2:50pm	Seats (Total: 30) MTH 0407	
0204	Kevin McGoff MWF 2:00pm - 2:50pm	Seats (Total: 30) MTH 0101	
0205	Geetanjali Kachari MWF 2:00pm - 2:50pm	Seats (Total: 30) MTH B0425	
0206	Eric Hamilton MWF 2:00pm - 2:50pm	Seats (Total: 30) MTH B0423	
0311	Marguerite Jarchow MWF 12:00pm - 12:50pm Tu 8:00am - 8:50am	Seats (Total: 28) ARM 0131 MTH 0106	Discussion

0312	Marguerite Jarchow MWF 12:00pm - 12:50pm Tu 8:00am - 8:50am	Seats (Total: 28) ARM 0131 HBK 0115	 Discussion
0321	Marguerite Jarchow MWF 12:00pm - 12:50pm Tu 9:00am - 9:50am	Seats (Total: 28) ARM 0131 MTH 0106	 Discussion
0322	Marguerite Jarchow MWF 12:00pm - 12:50pm Tu 9:00am - 9:50am	Seats (Total: 28) ARM 0131 HBK 0115	 Discussion
0331	Marguerite Jarchow MWF 12:00pm - 12:50pm Tu 10:00am - 10:50am	Seats (Total: 28) ARM 0131 MTH B0429	 Discussion
0332	Marguerite Jarchow MWF 12:00pm - 12:50pm Tu 10:00am - 10:50am	Seats (Total: 28) ARM 0131 HBK 0115	 Discussion
0341	Marguerite Jarchow MWF 12:00pm - 12:50pm Tu 11:00am - 11:50am	Seats (Total: 28) ARM 0131 MTH B0421	 Discussion
0342	Marguerite Jarchow MWF 12:00pm - 12:50pm Tu 11:00am - 11:50am	Seats (Total: 28) ARM 0131 HBK 0115	 Discussion
1201	Marguerite Jarchow MTuWThF 10:00am - 10:50am	Seats (Total: 25) ARM 0116	

MATH112 **College Algebra with Applications and Trigonometry**

MATH112 College Algebra with Applications and Trigonometry; (3 credits) Grade Method: REG/P-F/AUD.

Prerequisite: permission of department, based on math placement exam or MATH003 performance. Not open to students who have completed MATH140 or MATH220 or any course for which MATH140 or MATH220 is a prerequisite. Credit will be granted for only one of the following: (i) MATH112, or (ii) MATH113, or (iii) (MATH110 and MATH115). Graphs and applications of elementary functions, including polynomial, rational, exponential and logarithmic functions. Systems of equations. Triangle trigonometry. The course differs from MATH113 only in that it covers a substantial amount of trigonometry in place of material on matrices, linear programming, sequences and series. MATH112 is strongly recommended for students in Architecture, Landscape Architecture, Life Sciences, and those needing PHYS141.

0101	Gregory Johnson MWF 11:00am - 11:50am	Seats (Total: 30) CHM 0127
0103	Joshua Ballew MWF 11:00am - 11:50am	Seats (Total: 30) CHM 1228
0201	Kristy Vernille Blocklin MWF 11:00am - 11:50am	Seats (Total: 30) MTH 0304

MATH113 **College Algebra with Applications**

MATH113 College Algebra with Applications; (3 credits) Grade Method: REG/P-F/AUD.

Prerequisite: permission of department based on satisfactory score on the MATHEMATICS PLACEMENT EXAM, or satisfactory completion of MATH003 with the appropriate eligibility, or MATH110. Not open to students who have completed MATH140, MATH220, or any course for which MATH140 or MATH220 is a prerequisite. Credit will be granted for only one of the following: MATH112; or MATH113; or (MATH110 and MATH115). Preparation for MATH220. Graphs and applications of elementary functions including: polynomial, rational, exponential and logarithmic functions. Systems of linear equations and linear inequalities used to solve representative problems in linear programming. Matrices and matrix operations including inverse. Sequences.

0101	Gregory Johnson MWF 10:00am - 10:50am	Seats (Total: 28) MTH B0425

0102	Weiran Sun MWF 10:00am - 10:50am	Seats (Total: 28) MTH B0427	
0103	Lucaci Vaczlavik MWF 10:00am - 10:50am	Seats (Total: 28) MTH B0429	
0104	Jeremy Bradford MWF 10:00am - 10:50am	Seats (Total: 28) MTH 0106	
0201	Jacqueline Stone MWF 11:00am - 11:50am	Seats (Total: 28) ARM 0119	
0202	Weiran Sun MWF 11:00am - 11:50am	Seats (Total: 28) MTH B0427	
0203	Lucaci Vaczlavik MWF 11:00am - 11:50am	Seats (Total: 28) MTH B0429	
0204	Jeremy Bradford MWF 11:00am - 11:50am	Seats (Total: 28) MTH 0106	
0311	Jacqueline Stone MWF 10:00am - 10:50am Th 8:00am - 9:15am	Seats (Total: 0) ARM 0131 MTH 0201	Discussion
0321	Jacqueline Stone MWF 10:00am - 10:50am Th 9:30am - 10:45am	Seats (Total: 23) ARM 0131 MTH 0201	Discussion
0322	Jacqueline Stone MWF 10:00am - 10:50am Th 9:30am - 10:45am	Seats (Total: 23) ARM 0131 MTH 1311	Discussion
0331	Jacqueline Stone MWF 10:00am - 10:50am Th 11:00am - 12:15pm	Seats (Total: 23) ARM 0131 MTH 0411	Discussion
0332	Jacqueline Stone MWF 10:00am - 10:50am Th 11:00am - 12:15pm	Seats (Total: 23) ARM 0131 MTH 1311	Discussion

1101	Santuria Orsetti MTuWThF 11:00am - 11:50am	Seats (Total: 25) ARM 0116
1301	Matthew Konicki MTuWThF 1:00pm - 1:50pm	Seats (Total: 25) ARM 0116

MATH115 **Precalculus**

MATH115 Precalculus; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: permission of department based on satisfactory score on the MATHEMATICS PLACEMENT EXAM, or satisfactory completion of MATH003 with the appropriate eligibility, or MATH113. Not open to students who have completed MATH140 or any MATH or STAT course for which MATH140 is a prerequisite. Credit will be granted for only one of the following: MATH113 or MATH115. Preparation for MATH220 or MATH140. Elementary functions and graphs: polynomials, rational functions, exponential and logarithmic functions, trigonometric functions. Algebraic techniques preparatory for calculus. Preparation for MATH 220 or MATH 140. All sections will require the use of a TI graphics calculator. Instructor will use a TI-83 or TI-83+ calculator. If purchasing used books additional software may be required. This can be purchased on the web and the cost is under $10.00

0101	Justin Wyss-Gallifent MWF 8:00am - 8:50am	Seats (Total: 27) MTH B0423
0102	Frances Gulick MWF 8:00am - 8:50am	Seats (Total: 27) MTH 0104
0103	Weiran Sun MWF 8:00am - 8:50am	Seats (Total: 27) MTH 0102
0201	Earnest Harrison MWF 9:00am - 9:50am	Seats (Total: 27) MTH B0423
0202	Weiran Sun MWF 9:00am - 9:50am	Seats (Total: 27) MTH 0104
0203	Ching-Hsiao Cheng MWF 9:00am - 9:50am	Seats (Total: 27) MTH 1308

1201	Esther David MTuWThF 1:00pm - 1:50pm	Seats (Total: 25) MTH 0302	

MATH130 **Calculus I for the Life Sciences**

MATH130 Calculus I for the Life Sciences; (4 credits) Grade Method: REG/AUD. CORE Mathematics or Formal Reasoning (MS) Course.
Prerequisite: A grade of C or better in MATH 112, MATH113, or MATH115; or equivalent; or permission of department based on 3 1/2 years of college preparatory mathematics (including trigonometry) and satisfactory performance on the MATHEMATICS PLACEMENT EXAM. Restricted to students with majors in College of Chemical and Life Sciences. Not open to students majoring in mathematics, engineering or the physical sciences. Credit will be granted for only one of the following: MATH130, MATH140, or MATH220. Basic ideas of differential integral calculus, with emphasis on elementary techniques and applications to the life sciences.

0111	Justin Wyss-Gallifent TuTh 9:30am - 10:45am MW 8:00am - 8:50am	Seats (Total: 27) ARM 0135 HBK 0123	 Discussion
0121	Justin Wyss-Gallifent TuTh 9:30am - 10:45am MW 9:00am - 9:50am	Seats (Total: 27) ARM 0135 HBK 0123	 Discussion
0131	Justin Wyss-Gallifent TuTh 9:30am - 10:45am MW 10:00am - 10:50am	Seats (Total: 27) ARM 0135 HBK 0123	 Discussion
0141	Justin Wyss-Gallifent TuTh 9:30am - 10:45am MW 11:00am - 11:50am	Seats (Total: 27) ARM 0135 HBK 0123	 Discussion

MATH131 **Calculus II for Life Sciences**

MATH131 Calculus II for Life Sciences; (4 credits) Grade Method: REG/P-F/AUD. CORE Mathematics or Formal Reasoning (MS) Course.
Prerequisite: A grade of C (2.0) or better in MATH130 or MATH140 or equivalent. Restricted to students with majors in College of Chemical & Life Sciences. Credit will be granted for only one of the following: MATH131, MATH141, or MATH221.
Continuation of MATH130, including an introduction to autonomous differential equations, probability (includin\g conditional probability and the normal and binomial distributions), and statistical reasoning (including confidence intervals). Alongside the mathematical concepts will be applications in biology.

0111	Casey Cremins TuTh 11:00am - 12:15pm MF 8:00am - 8:50am	Seats (Total: 25) ARM 0131 MTH 0303	 Discussion
0121	Casey Cremins TuTh 11:00am - 12:15pm MF 9:00am - 9:50am	Seats (Total: 25) ARM 0131 MTH 0303	 Discussion
0131	Casey Cremins TuTh 11:00am - 12:15pm MF 10:00am - 10:50am	Seats (Total: 30) ARM 0131 MTH 0105	 Discussion
0141	Casey Cremins TuTh 11:00am - 12:15pm MF 11:00am - 11:50am	Seats (Total: 30) ARM 0131 MTH 0101	 Discussion

MATH140 **Calculus I**

MATH140 Calculus I; (4 credits) Grade Method: REG/P-F/AUD. CORE Mathematics or Formal Reasoning (MS) Course.
Prerequisite: permission of department based on 3 1/2 years of college preparatory mathematics (including trigonometry) and a satisfactory score on the MATHEMATICS PLACEMENT EXAM, or MATH115 with a grade of C or better. Credit will be granted for only one of the following: MATH130, MATH140 or MATH220. Introduction to calculus, including functions, limits, continuity, derivatives and applications of the derivative, sketching of graphs of functions, definite and indefinite integrals, and calculation of area. The course is especially recommended for science, engineering and mathematics majors. All sections will require the use of a TI graphics calculator. Instructor will use a TI-83, TI-83+, or TI-86 calculator. If purchasing used books additional software may be required. This can be purchased on the web and the cost is under $10.00

0111	Raymond Johnson MWF 9:00am - 9:50am TuTh 8:00am - 8:50am	Seats (Total: 27) ARM 0126 HBK 0109	Discussion
0112	Raymond Johnson MWF 9:00am - 9:50am TuTh 8:00am - 8:50am	Seats (Total: 27) ARM 0126 MTH 0401	Discussion
0121	Raymond Johnson MWF 9:00am - 9:50am TuTh 9:00am - 9:50am	Seats (Total: 27) ARM 0126 HBK 0109	Discussion
0122	Raymond Johnson MWF 9:00am - 9:50am TuTh 9:00am - 9:50am	Seats (Total: 27) ARM 0126 MTH 0401	Discussion
0131	Raymond Johnson MWF 9:00am - 9:50am TuTh 10:00am - 10:50am	Seats (Total: 27) ARM 0126 HBK 0109	Discussion
0132	Raymond Johnson MWF 9:00am - 9:50am TuTh 10:00am - 10:50am	Seats (Total: 27) ARM 0126 MTH 0104	Discussion
0141	Raymond Johnson MWF 9:00am - 9:50am TuTh 11:00am - 11:50am	Seats (Total: 27) ARM 0126 MTH 0407	Discussion

0142	Raymond Johnson MWF 9:00am - 9:50am TuTh 11:00am - 11:50am	Seats (Total: 27) ARM 0126 HBK 0109	Discussion
0211	David Hamilton MWF 2:00pm - 2:50pm TuTh 12:00pm - 12:50pm	Seats (Total: 27) ARM 0135 MTH B0421	Discussion
0212	David Hamilton MWF 2:00pm - 2:50pm TuTh 12:00pm - 12:50pm	Seats (Total: 27) ARM 0135 MTH 0104	Discussion
0221	David Hamilton MWF 2:00pm - 2:50pm TuTh 1:00pm - 1:50pm	Seats (Total: 27) ARM 0135 MTH B0421	Discussion
0231	David Hamilton MWF 2:00pm - 2:50pm TuTh 2:00pm - 2:50pm	Seats (Total: 27) ARM 0135 MTH 0401	Discussion
0241	David Hamilton MWF 2:00pm - 2:50pm TuTh 3:00pm - 3:50pm	Seats (Total: 27) ARM 0135 MTH B0429	Discussion
0242	David Hamilton MWF 2:00pm - 2:50pm TuTh 3:00pm - 3:50pm	Seats (Total: 27) ARM 0135 MTH 0104	Discussion

MATH141 **Calculus II**

MATH141 Calculus II; (4 credits) Grade Method: REG/P-F/AUD. CORE Mathematics or Formal Reasoning (MS) Course.
Prerequisite: A grade of C or better in MATH140 or equivalent; or a grade of B or better in MATH 130 and permission of an undergraduate advisor in the math department. Credit will be granted for only one of the following: MATH131, MATH141 or MATH221. Continuation of MATH140, including techniques of integration, improper integrals, applications of integration (such as volumes, work, arc length, moments), inverse functions, exponential and logarithmic functions, sequences and series. All sections will require the use of a TI graphics calculator. Instructor will use a TI-83, TI-83+, or TI-86 calculator. Emphasis on student interaction in groups, including team approach to solving calculus based problems. In addition to the lectures, there will be 2 eighty-minute workshops each week with enhanced assistance and support for students. If purchasing used books additional software may be required. This can be purchased on the web and the cost is under $10.00

0111	Denny Gulick MWF 8:00am - 8:50am TuTh 8:00am - 9:20am	Seats (Total: 21) PHY 1412 MTH 0103	Discussion
0112	Denny Gulick MWF 8:00am - 8:50am TuTh 8:00am - 9:20am	Seats (Total: 21) PHY 1412 MTH 0302	Discussion
0113	Denny Gulick MWF 8:00am - 8:50am TuTh 8:00am - 9:20am	Seats (Total: 21) PHY 1412 MTH 0303	Discussion
0121	Denny Gulick MWF 8:00am - 8:50am TuTh 9:30am - 10:50am	Seats (Total: 21) PHY 1412 MTH 1313	Discussion
0122	Denny Gulick MWF 8:00am - 8:50am TuTh 9:30am - 10:50am	Seats (Total: 21) PHY 1412 MTH 0302	Discussion
0123	Denny Gulick MWF 8:00am - 8:50am TuTh 9:30am - 10:50am	Seats (Total: 21) PHY 1412 MTH 0303	Discussion

0131	Denny Gulick MWF 8:00am - 8:50am TuTh 11:00am - 12:20pm	Seats (Total: 21) PHY 1412 MTH 0303	Discussion
0132	Denny Gulick MWF 8:00am - 8:50am TuTh 11:00am - 12:20pm	Seats (Total: 21) PHY 1412 MTH 0305	Discussion
0211	David Kueker MWF 11:00am - 11:50am TuTh 8:00am - 9:20am	Seats (Total: 21) ARM 0135 MTH 0101	Discussion
0212	David Kueker MWF 11:00am - 11:50am TuTh 8:00am - 9:20am	Seats (Total: 21) ARM 0135 MTH 0306	Discussion
0213	David Kueker MWF 11:00am - 11:50am TuTh 8:00am - 9:20am	Seats (Total: 21) ARM 0135 MTH 0102	Discussion
0221	David Kueker MWF 11:00am - 11:50am TuTh 9:30am - 10:50am	Seats (Total: 21) ARM 0135 MTH 0101	Discussion
0222	David Kueker MWF 11:00am - 11:50am TuTh 9:30am - 10:50am	Seats (Total: 21) ARM 0135 MTH 0306	Discussion
0223	David Kueker MWF 11:00am - 11:50am TuTh 9:30am - 10:50am	Seats (Total: 21) ARM 0135 MTH 0103	Discussion
0231	David Kueker MWF 11:00am - 11:50am TuTh 11:00am - 12:20pm	Seats (Total: 21) ARM 0135 MTH 0304	Discussion
0232	David Kueker MWF 11:00am - 11:50am TuTh 11:00am - 12:20pm	Seats (Total: 21) ARM 0135 MTH 0103	Discussion

0311	Sean Lawton MWF 1:00pm - 1:50pm TuTh 11:00am - 12:20pm	Seats (Total: 21) ARM 0135 MTH 0101	Discussion
0312	Sean Lawton MWF 1:00pm - 1:50pm TuTh 11:00am - 12:20pm	Seats (Total: 21) ARM 0135 MTH 0306	Discussion
0321	Sean Lawton MWF 1:00pm - 1:50pm TuTh 12:30pm - 1:50pm	Seats (Total: 21) ARM 0135 MTH 0101	Discussion
0322	Sean Lawton MWF 1:00pm - 1:50pm TuTh 12:30pm - 1:50pm	Seats (Total: 21) ARM 0135 MTH 0306	Discussion
0323	Sean Lawton MWF 1:00pm - 1:50pm TuTh 12:30pm - 1:50pm	Seats (Total: 21) ARM 0135 MTH 0103	Discussion
0331	Sean Lawton MWF 1:00pm - 1:50pm TuTh 2:00pm - 3:20pm	Seats (Total: 21) ARM 0135 MTH 0306	Discussion
0332	Sean Lawton MWF 1:00pm - 1:50pm TuTh 2:00pm - 3:20pm	Seats (Total: 21) ARM 0135 MTH 0103	Discussion
0411	Frances Gulick MWF 2:00pm - 2:50pm TuTh 11:00am - 12:20pm	Seats (Total: 21) ARM 0126 MTH 0401	Discussion
0412	Frances Gulick MWF 2:00pm - 2:50pm TuTh 11:00am - 12:20pm	Seats (Total: 21) ARM 0126 MTH 0403	Discussion
0421	Frances Gulick MWF 2:00pm - 2:50pm TuTh 12:30pm - 1:50pm	Seats (Total: 21) ARM 0126 MTH 0307	Discussion

0431	Frances Gulick MWF 2:00pm - 2:50pm TuTh 2:00pm - 3:20pm	Seats (Total: 21) ARM 0126 MTH 0101	 Discussion
0432	Frances Gulick MWF 2:00pm - 2:50pm TuTh 2:00pm - 3:20pm	Seats (Total: 21) ARM 0126 MTH 0405	 Discussion

MATH141H **Calculus II**

MATH141H Calculus II; (4 credits) Grade Method: REG/P-F/AUD. CORE Mathematics or Formal Reasoning (MS) Course.
Prerequisite: A grade of C or better in MATH140 or equivalent; or a grade of B or better in MATH 130 and permission of an undergraduate advisor in the math department. Credit will be granted for only one of the following: MATH131, MATH141 or MATH221. For general honors students only. TI graphics calculator required. Instructor will use TI-83, TI-83+ or TI-86 calculator.

0101	Sean Lawton MF 9:00am - 9:50am W 9:00am - 10:50am	Seats (Total: 25) MTH 0405 MTH 0405	
0201	Horst Winkelnkemper MF 2:00pm - 2:50pm W 2:00pm - 3:50pm	Seats (Total: 25) MTH B0429 MTH B0429	

MATH212 **Elements of Numbers and Operations**

MATH212 Elements of Numbers and Operations; (3 credits) Grade Method: REG/AUD.
Prerequisite: One year of college preparatory algebra. Restricted to elementary, early childhood, and special education majors. Not open to students who have completed MATH210 with a grade of C- or better. Credit will be granted for only one of the following: MATH210 or MATH212. Topics from algebra and number theory designed to provide insight into arithmetic: sets, functions, number systems, number theory; operations with natural numbers, integers, rational numbers; linear equations.

0201	Kevin Wilson MWF 9:00am - 9:50am	Seats (Total: 27) MTH 0201	

0401	Matthew Pragel MWF 12:00pm - 12:50pm	Seats (Total: 27) MTH 0106
0501	Matthew Pragel MWF 1:00pm - 1:50pm	Seats (Total: 25) MTH 0105

MATH213 **Elements of Geometry and Measurement**

MATH213 Elements of Geometry and Measurement; (3 credits) Grade Method: REG/AUD.
Prerequisite: MATH212. Restricted to elementary and early childhood education majors. Not open to students who have completed MATH211 with a grade of C- or better. Credit will be granted for only one of the following: MATH211 or MATH213.
Properties of geometric objects in two and three dimensions; parallel lines, curves and polygons; ratio, proportion, similarity; transformational geometry and measurement, constructions, justifications and proofs.

0101	Karen McLaren MWF 10:00am - 10:50am	Seats (Total: 27) MTH 0302
0201	Karen McLaren MWF 11:00am - 11:50am	Seats (Total: 27) MTH 0302
0301	Elizabeth Wilson MWF 11:00am - 11:50am	Seats (Total: 27) MTH 0201
0401	Elizabeth Wilson MWF 12:00pm - 12:50pm	Seats (Total: 27) MTH 0302

MATH214 **Elements of Probability and Statistics**

MATH214 Elements of Probability and Statistics; (3 credits) Grade Method: REG/AUD.
Prerequisite: MATH212. Restricted to elementary and early childhood education majors. Not open to students who have completed MATH211 with a grade of C- or better. Credit will be granted for only one of the following: MATH211 or MATH214.
Permutations and combinations; probability; collecting and representing data; using statistics to analyze and interpret data.

0101	Joshua Himmelsbach MWF 8:00am - 8:50am	Seats (Total: 20) MTH 0302	
0201	Joshua Himmelsbach MWF 9:00am - 9:50am	Seats (Total: 22) MTH 0302	

MATH220 **Elementary Calculus I**

MATH220 Elementary Calculus I; (3 credits) Grade Method: REG/P-F/AUD. CORE Mathematics or Formal Reasoning (MS) Course.
Prerequisite: permission of department based on 3 1/2 years of college preparatory mathematics (including trigonometry) and satisfactory performance on the MATHEMATICS PLACEMENT EXAM, or MATH112, or MATH113, or MATH115. Not open to students majoring in mathematics, engineering or the physical sciences. Credit will be granted for only one of the following: MATH130, MATH140 or MATH220.
Basic ideas of differential and integral calculus, with emphasis on elementary techniques of differentiation and applications.

0111	Melissa Macasieb MWF 10:00am - 10:50am Tu 8:00am - 8:50am	Seats (Total: 27) ARM 0126 MTH B0425	 Discussion
0112	Melissa Macasieb MWF 10:00am - 10:50am Tu 8:00am - 8:50am	Seats (Total: 27) ARM 0126 MTH B0427	 Discussion
0121	Melissa Macasieb MWF 10:00am - 10:50am Tu 9:00am - 9:50am	Seats (Total: 27) ARM 0126 MTH B0425	 Discussion
0122	Melissa Macasieb MWF 10:00am - 10:50am Tu 9:00am - 9:50am	Seats (Total: 27) ARM 0126 MTH B0427	 Discussion
0131	Melissa Macasieb MWF 10:00am - 10:50am Tu 10:00am - 10:50am	Seats (Total: 27) ARM 0126 MTH B0425	 Discussion

0132	Melissa Macasieb MWF 10:00am - 10:50am Tu 10:00am - 10:50am	Seats (Total: 27) ARM 0126 MTH B0427	Discussion
0141	Melissa Macasieb MWF 10:00am - 10:50am Tu 11:00am - 11:50am	Seats (Total: 27) ARM 0126 MTH 0409	Discussion
0142	Melissa Macasieb MWF 10:00am - 10:50am Tu 11:00am - 11:50am	Seats (Total: 27) ARM 0126 MTH 0411	Discussion
0211	Paul Wright MWF 1:00pm - 1:50pm Th 8:00am - 8:50am	Seats (Total: 28) ARM 0126 MTH B0425	Discussion
0212	Paul Wright MWF 1:00pm - 1:50pm Th 8:00am - 8:50am	Seats (Total: 28) ARM 0126 MTH B0427	Discussion
0221	Paul Wright MWF 1:00pm - 1:50pm Th 9:00am - 9:50am	Seats (Total: 28) ARM 0126 MTH B0425	Discussion
0222	Paul Wright MWF 1:00pm - 1:50pm Th 9:00am - 9:50am	Seats (Total: 28) ARM 0126 MTH B0427	Discussion
0231	Paul Wright MWF 1:00pm - 1:50pm Th 10:00am - 10:50am	Seats (Total: 28) ARM 0126 MTH B0425	Discussion
0232	Paul Wright MWF 1:00pm - 1:50pm Th 10:00am - 10:50am	Seats (Total: 28) ARM 0126 MTH B0427	Discussion
0241	Paul Wright MWF 1:00pm - 1:50pm Th 11:00am - 11:50am	Seats (Total: 28) ARM 0126 MTH 0409	Discussion

0242	Paul Wright MWF 1:00pm - 1:50pm Th 11:00am - 11:50am	Seats (Total: 28) ARM 0126 MTH 1313	Discussion
0311	Patrick Fitzpatrick TuTh 9:30am - 10:45am M 8:00am - 8:50am	Seats (Total: 28) ARM 0126 MTH B0427	Discussion
0312	Patrick Fitzpatrick TuTh 9:30am - 10:45am M 8:00am - 8:50am	Seats (Total: 28) ARM 0126 MTH 0407	Discussion
0321	Patrick Fitzpatrick TuTh 9:30am - 10:45am M 9:00am - 9:50am	Seats (Total: 28) ARM 0126 MTH B0427	Discussion
0322	Patrick Fitzpatrick TuTh 9:30am - 10:45am M 9:00am - 9:50am	Seats (Total: 28) ARM 0126 MTH 0407	Discussion
0331	Patrick Fitzpatrick TuTh 9:30am - 10:45am M 10:00am - 10:50am	Seats (Total: 28) ARM 0126 MTH 0407	Discussion
0332	Patrick Fitzpatrick TuTh 9:30am - 10:45am M 10:00am - 10:50am	Seats (Total: 28) ARM 0126 MTH 1313	Discussion
0341	Patrick Fitzpatrick TuTh 9:30am - 10:45am M 11:00am - 11:50am	Seats (Total: 28) ARM 0126 MTH 0405	Discussion
0342	Patrick Fitzpatrick TuTh 9:30am - 10:45am M 11:00am - 11:50am	Seats (Total: 28) ARM 0126 MTH 0407	Discussion
0411	Timothy Pilachowski TuTh 12:30pm - 1:45pm W 8:00am - 8:50am	Seats (Total: 28) ARM 0126 MTH B0427	Discussion

0412	Timothy Pilachowski TuTh 12:30pm - 1:45pm W 8:00am - 8:50am	Seats (Total: 28) ARM 0126 MTH 0407	Discussion
0421	Timothy Pilachowski TuTh 12:30pm - 1:45pm W 9:00am - 9:50am	Seats (Total: 28) ARM 0126 MTH B0427	Discussion
0422	Timothy Pilachowski TuTh 12:30pm - 1:45pm W 9:00am - 9:50am	Seats (Total: 28) ARM 0126 MTH 0407	Discussion
0431	Timothy Pilachowski TuTh 12:30pm - 1:45pm W 10:00am - 10:50am	Seats (Total: 28) ARM 0126 MTH 0407	Discussion
0432	Timothy Pilachowski TuTh 12:30pm - 1:45pm W 10:00am - 10:50am	Seats (Total: 28) ARM 0126 MTH B0421	Discussion
0441	Timothy Pilachowski TuTh 12:30pm - 1:45pm W 11:00am - 11:50am	Seats (Total: 28) ARM 0126 MTH 0407	Discussion
0442	Timothy Pilachowski TuTh 12:30pm - 1:45pm W 11:00am - 11:50am	Seats (Total: 28) ARM 0126 MTH 0409	Discussion

MATH221 **Elementary Calculus II**

MATH221 Elementary Calculus II; (3 credits) Grade Method: REG/P-F/AUD. CORE Mathematics or Formal Reasoning (MS) Course.
Prerequisite: MATH220, MATH 130 or MATH140, or equivalent. Not open to students majoring in mathematics, engineering or the physical sciences. Credit will be granted for only one of the following: MATH131, MATH141 or MATH221. Differential and integral calculus, with emphasis on elementary techniques of integration and applications.

0111	Timothy Pilachowski MWF 12:00pm - 12:50pm Th 8:00am - 8:50am	Seats (Total: 26) ARM 0135 MTH 0407	Discussion

0121	Timothy Pilachowski MWF 12:00pm - 12:50pm Th 9:00am - 9:50am	Seats (Total: 26) ARM 0135 MTH B0423	Discussion
0131	Timothy Pilachowski MWF 12:00pm - 12:50pm Th 10:00am - 10:50am	Seats (Total: 26) ARM 0135 MTH 0407	Discussion
0132	Timothy Pilachowski MWF 12:00pm - 12:50pm Th 10:00am - 10:50am	Seats (Total: 26) ARM 0135 MTH B0423	Discussion
0141	Timothy Pilachowski MWF 12:00pm - 12:50pm Th 11:00am - 11:50am	Seats (Total: 26) ARM 0135 MTH B0421	Discussion
0142	Timothy Pilachowski MWF 12:00pm - 12:50pm Th 11:00am - 11:50am	Seats (Total: 26) ARM 0135 MTH 0104	Discussion
0211	Christopher Shaw MWF 2:00pm - 2:50pm Tu 8:00am - 8:50am	Seats (Total: 26) JMZ 0220 MTH 0411	Discussion
0221	Christopher Shaw MWF 2:00pm - 2:50pm Tu 9:00am - 9:50am	Seats (Total: 26) JMZ 0220 MTH 0411	Discussion
0231	Christopher Shaw MWF 2:00pm - 2:50pm Tu 10:00am - 10:50am	Seats (Total: 26) JMZ 0220 MTH 0409	Discussion
0232	Christopher Shaw MWF 2:00pm - 2:50pm Tu 10:00am - 10:50am	Seats (Total: 26) JMZ 0220 MTH 0105	Discussion
0241	Christopher Shaw MWF 2:00pm - 2:50pm Tu 11:00am - 11:50am	Seats (Total: 26) JMZ 0220 MTH 0104	Discussion

0242	Christopher Shaw MWF 2:00pm - 2:50pm Tu 11:00am - 11:50am	Seats (Total: 26) JMZ 0220 MTH 1311	Discussion

MATH240 **Introduction to Linear Algebra**

MATH240 Introduction to Linear Algebra; (4 credits) Grade Method: REG/P-F/AUD.
Prerequisite: MATH 131 with a grade of C or better, or MATH141 or equivalent. Credit will be granted for only one of the following: MATH240, MATH341, MATH400, or MATH461. Basic concepts of linear algebra: vector spaces, applications to line and plane geometry, linear equations and matrices, similar matrices, linear transformations, eigenvalues, determinants and quadratic forms.

0111	Antoine Mellet MWF 2:00pm - 2:50pm TuTh 12:00pm - 12:50pm	Seats (Total: 25) ARM 0131 MTH 0302	Discussion
0112	Antoine Mellet MWF 2:00pm - 2:50pm TuTh 12:00pm - 12:50pm	Seats (Total: 25) ARM 0131 MTH 0201	Discussion
0121	Antoine Mellet MWF 2:00pm - 2:50pm TuTh 1:00pm - 1:50pm	Seats (Total: 25) ARM 0131 MTH B0429	Discussion
0122	Antoine Mellet MWF 2:00pm - 2:50pm TuTh 1:00pm - 1:50pm	Seats (Total: 25) ARM 0131 MTH 0201	Discussion
0123	Antoine Mellet MWF 2:00pm - 2:50pm TuTh 1:00pm - 1:50pm	Seats (Total: 25) ARM 0131 MTH 0305	Discussion
0131	Antoine Mellet MWF 2:00pm - 2:50pm TuTh 2:00pm - 2:50pm	Seats (Total: 25) ARM 0131 MTH 0305	Discussion
0132	Antoine Mellet MWF 2:00pm - 2:50pm TuTh 2:00pm - 2:50pm	Seats (Total: 25) ARM 0131 MTH 0201	Discussion

0141	Antoine Mellet MWF 2:00pm - 2:50pm TuTh 3:00pm - 3:50pm	Seats (Total: 25) ARM 0131 MTH 0201	Discussion
0142	Antoine Mellet MWF 2:00pm - 2:50pm TuTh 3:00pm - 3:50pm	Seats (Total: 25) ARM 0131 MTH 0302	Discussion

MATH241 **Calculus III**

MATH241 Calculus III; (4 credits) Grade Method: REG/P-F/AUD.
Prerequisite: MATH141. Credit will be granted for only one of the following: MATH241 or MATH340. Introduction to multivariable calculus, including vectors and vector-valued functions, partial derivatives and applications of partial derivatives (such as tangent planes and Lagrange multipliers), multiple integrals, volume, surface area, and the classical theorems of Green, Stokes and Gauss. All sections will use MATLAB.

0111	Tobias von Petersdorff MWF 9:00am - 9:50am TuTh 8:00am - 8:50am	Seats (Total: 28) ARM 0135 MTH B0421	Discussion
0112	Tobias von Petersdorff MWF 9:00am - 9:50am TuTh 8:00am - 8:50am	Seats (Total: 28) ARM 0135 MTH 0105	Discussion
0121	Tobias von Petersdorff MWF 9:00am - 9:50am TuTh 9:00am - 9:50am	Seats (Total: 28) ARM 0135 MTH B0421	Discussion
0122	Tobias von Petersdorff MWF 9:00am - 9:50am TuTh 9:00am - 9:50am	Seats (Total: 27) ARM 0135 MTH 0105	Discussion
0131	Tobias von Petersdorff MWF 9:00am - 9:50am TuTh 10:00am - 10:50am	Seats (Total: 27) ARM 0135 MTH 0102	Discussion
0132	Tobias von Petersdorff MWF 9:00am - 9:50am TuTh 10:00am - 10:50am	Seats (Total: 28) ARM 0135 HBK 0105	Discussion

0141	Tobias von Petersdorff MWF 9:00am - 9:50am TuTh 11:00am - 11:50am	Seats (Total: 27) ARM 0135 MTH 0102	Discussion
0142	Tobias von Petersdorff MWF 9:00am - 9:50am TuTh 11:00am - 11:50am	Seats (Total: 28) ARM 0135 HBK 0105	Discussion
0211	Kasso Okoudjou MWF 10:00am - 10:50am TuTh 12:00pm - 12:50pm	Seats (Total: 28) ARM 0135 HBK 0105	Discussion
0212	Kasso Okoudjou MWF 10:00am - 10:50am TuTh 12:00pm - 12:50pm	Seats (Total: 28) ARM 0135 HBK 0109	Discussion
0221	Kasso Okoudjou MWF 10:00am - 10:50am TuTh 1:00pm - 1:50pm	Seats (Total: 28) ARM 0135 HBK 0109	Discussion
0222	Kasso Okoudjou MWF 10:00am - 10:50am TuTh 1:00pm - 1:50pm	Seats (Total: 28) ARM 0135 HBK 0105	Discussion
0231	Kasso Okoudjou MWF 10:00am - 10:50am TuTh 2:00pm - 2:50pm	Seats (Total: 28) ARM 0135 MTH B0421	Discussion
0232	Kasso Okoudjou MWF 10:00am - 10:50am TuTh 2:00pm - 2:50pm	Seats (Total: 28) ARM 0135 MTH 0409	Discussion
0241	Kasso Okoudjou MWF 10:00am - 10:50am TuTh 3:00pm - 3:50pm	Seats (Total: 28) ARM 0135 MTH B0421	Discussion
0242	Kasso Okoudjou MWF 10:00am - 10:50am TuTh 3:00pm - 3:50pm	Seats (Total: 28) ARM 0135 MTH 0307	Discussion

MATH241H Calculus III

MATH241H Calculus III; (4 credits) Grade Method: REG/P-F/AUD.
Prerequisite: MATH141. Credit will be granted for only one of the following: MATH241 or MATH340. For general honors students only. MATH 241H will use MATLAB.

0101	Peter Wolfe MW 11:00am - 11:50am TuTh 11:00am - 11:50am	Seats (Total: 29) MTH 0305 EGR 0108	
0201	Ke Zhang MF 1:00pm - 1:50pm W 1:00pm - 2:50pm	Seats (Total: 30) MTH 0106 MTH 0106	

MATH246 **Differential Equations for Scientists and Engineers**

MATH246 Differential Equations for Scientists and Engineers; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: MATH141; and any one of the following: MATH240 or ENES102 or PHYS161 or PHYS171. Credit will be granted for only one of the following: MATH246 or MATH341. An introduction to the basic methods of solving ordinary differential equations. Equations of first and second order, linear differential equations, Laplace transforms, numerical methods and the qualitative theory of differential equations. All sections will use MATLAB.

0111	Justin Wyss-Gallifent MWF 11:00am - 11:50am Tu 8:00am - 8:50am	Seats (Total: 29) ARM 0126 MTH B0423	 Discussion
0112	Justin Wyss-Gallifent MWF 11:00am - 11:50am Tu 8:00am - 8:50am	Seats (Total: 27) ARM 0126 MTH 0104	 Discussion
0121	Justin Wyss-Gallifent MWF 11:00am - 11:50am Tu 9:00am - 9:50am	Seats (Total: 29) ARM 0126 MTH B0423	 Discussion
0122	Justin Wyss-Gallifent MWF 11:00am - 11:50am Tu 9:00am - 9:50am	Seats (Total: 27) ARM 0126 MTH 0104	 Discussion

0131	Justin Wyss-Gallifent MWF 11:00am - 11:50am Tu 10:00am - 10:50am	Seats (Total: 28) ARM 0126 MTH B0423	Discussion
0132	Justin Wyss-Gallifent MWF 11:00am - 11:50am Tu 10:00am - 10:50am	Seats (Total: 29) ARM 0126 MTH B0421	Discussion
0133	Justin Wyss-Gallifent MWF 11:00am - 11:50am Tu 10:00am - 10:50am	Seats (Total: 29) ARM 0126 ARM 0103	Discussion
0141	Justin Wyss-Gallifent MWF 11:00am - 11:50am Tu 11:00am - 11:50am	Seats (Total: 29) ARM 0126 MTH 0302	Discussion
0142	Justin Wyss-Gallifent MWF 11:00am - 11:50am Tu 11:00am - 11:50am	Seats (Total: 29) ARM 0126 MTH 1313	Discussion
0143	Justin Wyss-Gallifent MWF 11:00am - 11:50am Tu 11:00am - 11:50am	Seats (Total: 29) ARM 0126 ARM 0119	Discussion
0211	Charles Levermore TuTh 2:00pm - 3:15pm F 8:00am - 8:50am	Seats (Total: 29) ARM 0135 MTH B0425	Discussion
0212	Charles Levermore TuTh 2:00pm - 3:15pm F 8:00am - 8:50am	Seats (Total: 29) ARM 0135 MTH B0427	Discussion
0221	Charles Levermore TuTh 2:00pm - 3:15pm F 9:00am - 9:50am	Seats (Total: 29) ARM 0135 MTH 0407	Discussion
0222	Charles Levermore TuTh 2:00pm - 3:15pm F 9:00am - 9:50am	Seats (Total: 29) ARM 0135 MTH 0103	Discussion

0231	Charles Levermore TuTh 2:00pm - 3:15pm F 10:00am - 10:50am	Seats (Total: 29) ARM 0135 MTH 0103	Discussion
0232	Charles Levermore TuTh 2:00pm - 3:15pm F 10:00am - 10:50am	Seats (Total: 29) ARM 0135 MTH 0407	Discussion
0241	Charles Levermore TuTh 2:00pm - 3:15pm F 11:00am - 11:50am	Seats (Total: 29) ARM 0135 MTH 0103	Discussion
0242	Charles Levermore TuTh 2:00pm - 3:15pm F 11:00am - 11:50am	Seats (Total: 29) ARM 0135 MTH 0409	Discussion

MATH246H **Differential Equations for Scientists and Engineers**

MATH246H Differential Equations for Scientists and Engineers; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: MATH141; and any one of the following: MATH240 or ENES102 or PHYS161 or PHYS171. Credit will be granted for only one of the following: MATH246 or MATH341. For general honors students only. MATH 246H will use MATLAB.

0101	Tatiana Yarmola TuTh 9:30am - 10:45am	Seats (Total: 30) MTH 0305	

MATH274 **History of Mathematics**

MATH274 History of Mathematics; (3 credits) Grade Method: REG/P-F/AUD.
CORE Interdisciplinary & Emerging Issues (IE) Course.
Prerequisite: MATH140 or MATH220. An overview of aspects in the history of mathematics from its beginning in the concrete problem solving of ancient times through the development of abstraction in the 19th and 20th centuries. The course considers both mathematical ideas and the context in which they developed in various civilizations around the world. MATH 274 cannot satisfy a CMSC major requirement.

0101	McBlaine Boyle TuTh 2:00pm - 3:15pm	Seats (Total: 35) JMP 1202	

MATH299A **Selected Topics in Mathematics**

MATH299A *(PermReq)* **Selected Topics in Mathematics; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

MATH310 **Introduction to Analysis**

MATH310 Introduction to Analysis; (3 credits) Grade Method: REG.
Prerequisite: MATH141. Corequisite: MATH241. Math majors may not use this course to satisfy an upper-level requirement. For MATH majors only. To prepare students for MATH410 Advanced Calculus. To develop the students' ability to construct a rigorous proof of a mathematical claim. Students will also be made aware of mathematical results that are of interest to those wishing to analyze a particular mathematical model. Topics will be drawn from logic, set theory, structure of the number line, elementary topology, metric spaces, functions, sequences and continuity.

0101	Kathryn Truman MWF 12:00pm - 12:50pm	Seats (Total: 25) MTH 0307
0201	Edgar Lopez-Escobar MWF 1:00pm - 1:50pm	Seats (Total: 25) MTH 0103

MATH341 **Multivariable Calculus, Linear Algebra, Differential Equations II (Honors)**

MATH341 *(PermReq)* **Multivariable Calculus, Linear Algebra, Differential Equations II (Honors); (4 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: MATH340. A student receiving credit for MATH341 cannot receive credit for MATH240, MATH246, MATH400, or MATH461. A continuation of MATH340.

0101	Brian Hunt MWF 11:00am - 12:15pm	Seats (Total: 34) MTH 0306
0201	Richard Wentworth TuTh 2:00pm - 3:45pm	Seats (Total: 35) MTH 0106

MATH386 **Experiential Learning**

MATH386 *(PermReq)* **Experiential Learning; (3-6 credits)** Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: Learning Proposal approved by the Office of Experiential Learning Programs, faculty sponsor and student's internship sponsor. Junior standing.

Contact department for information to register for this course.

MATH401 **Applications of Linear Algebra**

MATH401 Applications of Linear Algebra; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: MATH240 or MATH461. Various applications of linear algebra: theory of finite games, linear programming, matrix methods as applied to finite Markov chains, random walk, incidence matrices, graphs and directed graphs, networks and transportation problems.

0101	Frances Gulick MWF 1:00pm - 1:50pm	Seats (Total: 30) ARM 0105
0201	Yong Zheng MWF 2:00pm - 2:50pm	Seats (Total: 30) MTH 0303
0301	Manoussos Grillakis TuTh 12:30pm - 1:45pm	Seats (Total: 33) MTH 0304

MATH402 **Algebraic Structures**

MATH402 Algebraic Structures; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: MATH240 or equivalent. Not open to mathematics graduate students. Credit will be granted for only one of the following: MATH402 or MATH403. For students having only limited experience with rigorous mathematical proofs. Parallels MATH403. Students planning graduate work in mathematics should take MATH403. Groups, rings, integral domains and fields, detailed study of several groups; properties of integers and polynomials. Emphasis is on the origin of the mathematical ideas studied and the logical structure of the subject.

0101	Horst Winkelnkemper MWF 12:00pm - 12:50pm	Seats (Total: 30) MTH 0103

MATH403 **Introduction to Abstract Algebra**

MATH403 Introduction to Abstract Algebra; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: MATH240 and MATH241; or equivalent. Credit will be granted for only one of the following: MATH402 or MATH403. Integers; groups, rings, integral domains, fields.

0101	Joel Cohen	Seats (Total: 30)
	MWF 11:00am - 11:50am	MTH 0104

MATH404 **Field Theory**

MATH404 Field Theory; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: MATH403. Algebraic and transcendental elements, Galois theory, constructions with straight-edge and compass, solutions of equations of low degrees, insolubility of the quintic equation, Sylow theorems, fundamental theorem of finite Abelian groups.

0101	James Schafer	Seats (Total: 30)
	MWF 11:00am - 11:50am	MTH 1308

MATH405 **Linear Algebra**

MATH405 Linear Algebra; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: MATH240 or MATH461. An abstract treatment of finite dimensional vector spaces. Linear transformations and their invariants.

0101	David Hamilton	Seats (Total: 38)
	MWF 1:00pm - 1:50pm	ARM 0119

MATH406 **Introduction to Number Theory**

MATH406 Introduction to Number Theory; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: MATH141 or permission of department. Integers, divisibility, prime numbers, unique factorization, congruences, quadratic reciprocity, Diophantine equations and arithmetic functions.

0101	Edgar Lopez-Escobar MWF 10:00am - 10:50am	Seats (Total: 30) MTH 0303
0201	David Kueker MWF 1:00pm - 1:50pm	Seats (Total: 30) MTH 0306
0301	Justin Wyss-Gallifent TuTh 2:00pm - 3:15pm	Seats (Total: 31) EGL 1204

MATH410 **Advanced Calculus I**

MATH410 *(PermReq)* **Advanced Calculus I; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisites: MATH240 and MATH241, with grade of C or better; and permission of department. First semester of a year course. Subjects covered during the year are: sequences and series of numbers, continuity and differentiability of real valued functions of one variable, the Riemann integral, sequences of functions and power series. Functions of several variables including partial derivatives, multiple integrals, line and surface integrals. The implicit function theorem.

0101	Raymond Johnson MWF 11:00am - 11:50am	Seats (Total: 25) MTH 0303
0201	Melissa Macasieb MWF 12:00pm - 12:50pm	Seats (Total: 25) MTH B0429
0301	Michael Brin TuTh 9:30am - 10:45am	Seats (Total: 25) MTH 1308

MATH411 **Advanced Calculus II**

MATH411 *(PermReq)* **Advanced Calculus II; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: MATH410 and permission of department. Credit will be granted for only one of the following: MATH411 or MATH412. Continuation of MATH410.

0101	Manoussos Grillakis TuTh 9:30am - 10:45am	Seats (Total: 35) HJP 1104

MATH412 **Advanced Calculus with Applications**

MATH412 Advanced Calculus with Applications; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: MATH410 and permission of department. Credit will be granted for only one of the following: MATH411 or MATH412. Analysis in several variables, and applications, from a computational perspective.

0101	Ke Zhang	Seats (Total: 20)
	MWF 11:00am - 11:50am	MTH 0411

MATH416 **Applied Harmonic Analysis: An Introduction to Signal Processing**

MATH416 Applied Harmonic Analysis: An Introduction to Signal Processing; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: MATH141 and MATH240; or permission of department. Familiarity with MATLAB is also required. Introduces students to the mathematical concepts arising in signal analysis from the applied harmonic analysis point of view. Topics include applied linear algebra, Fourier series, discrete Fourier transform, Fourier transform, Shannon Sampling Theorem, wavelet bases, multiresolution analysis, and discrete wavelet transform.

0101	Dennis Healy	Seats (Total: 30)
	TuTh 2:00pm - 3:15pm	MTH 0303

MATH430 **Euclidean and Non-Euclidean Geometries**

MATH430 Euclidean and Non-Euclidean Geometries; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: MATH141. Hilbert's axioms for Euclidean geometry. Neutral geometry: the consistency of the hyperbolic parallel postulate and the inconsistency of the elliptic parallel postulate with neutral geometry. Models of hyerbolic geometry. Existence and properties of isometries.

0101	Sean Lawton	Seats (Total: 30)
	MWF 11:00am - 11:50am	MTH 0105

MATH452 **Introduction to Dynamics and Chaos**

MATH452 Introduction to Dynamics and Chaos; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: MATH240 and MATH246. Also offered as AMSC452. Credit will be granted for only one of the following: AMSC452, MAPL452 or MATH452. An introduction to mathematical dynamics and chaos. Orbits, bifurcations, Cantor sets and horseshoes, symbolic dynamics, fractal dimension, notions of stability, flows and chaos. Includes motivation and historical perspectives, as well as examples of fundamental maps studied in dynamics and applications of dynamics.

0101	Denny Gulick MWF 10:00am - 10:50am	Seats (Total: 34) MTH 0101

MATH456 **Cryptology**

MATH456 *(PermReq)* **Cryptology; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisites: Any two 400-level MATH courses; or CMSC330 and CMSC351 and permission of department. Also offered as CMSC456. Credit will be granted for only one of the following: MATH456 or CMSC456. Importance in protecting data in communications between computers. The subject lies on the border between mathematics and computer science. Mathematical topics include number theory and probability. Computer science topics include complexity theory.

0101	Jeffrey Adams MWF 9:00am - 9:50am	Seats (Total: 30) MTH B0429
0201	Lawrence Washington TuTh 11:00am - 12:15pm	Seats (Total: 37) CSI 3117

MATH461 **Linear Algebra for Scientists and Engineers**

MATH461 Linear Algebra for Scientists and Engineers; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisites: MATH141 and one MATH/STAT course for which MATH141 is a prerequisite. This course cannot be used toward the upper level math requirements for MATH/STAT majors. Credit will be granted for only one of the following: MATH240, MATH341, MATH400 or MATH461. Basic concepts of linear algebra. This course is similar to MATH 240, but with more extensive coverage of the topics needed in applied linear algebra: change of basis, complex eigenvalues, diagonalization, the Jordan canonical form.

0111	David Lay MWF 1:00pm - 1:50pm M 8:00am - 9:15am	Seats (Total: 26) ARM 0131 MTH 0409	Discussion
0112	David Lay MWF 1:00pm - 1:50pm M 8:00am - 9:15am	Seats (Total: 26) ARM 0131 MTH B0421	Discussion
0121	David Lay MWF 1:00pm - 1:50pm M 10:00am - 11:15am	Seats (Total: 26) ARM 0131 MTH 0409	Discussion
0122	David Lay MWF 1:00pm - 1:50pm M 10:00am - 11:15am	Seats (Total: 26) ARM 0131 MTH B0421	Discussion
0131	David Lay MWF 1:00pm - 1:50pm M 11:00am - 12:15pm	Seats (Total: 26) ARM 0131 MTH 0401	Discussion
0141	David Lay MWF 1:00pm - 1:50pm M 3:30pm - 4:45pm	Seats (Total: 26) ARM 0131 MTH B0429	Discussion
0142	David Lay MWF 1:00pm - 1:50pm M 3:30pm - 4:45pm	Seats (Total: 26) ARM 0131 MTH B0421	Discussion
0143	David Lay MWF 1:00pm - 1:50pm M 3:30pm - 4:45pm	Seats (Total: 26) ARM 0131 MTH 0401	Discussion

MATH462 **Partial Differential Equations for Scientists and Engineers**

MATH462 Partial Differential Equations for Scientists and Engineers; (3 credits)
Grade Method: REG/P-F/AUD.
Prerequisites: MATH241 and MATH246. Linear spaces and operators, orthogonality, Sturm-Liouville problems and eigenfunction expansions for ordinary differential equations. Introduction to partial differential equations, including the heat equation, wave equation and Laplace's equation. Boundary value problems, initial value problems and initial-boundary value problems.

0101	Konstantina Trivisa TuTh 11:00am - 12:15pm	Seats (Total: 30) MTH B0429
0201	Sandra Cerrai TuTh 2:00pm - 3:15pm	Seats (Total: 30) MTH B0423

MATH463 **Complex Variables for Scientists and Engineers**

MATH463 Complex Variables for Scientists and Engineers; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: MATH241 or equivalent. The algebra of complex numbers, analytic functions, mapping properties of the elementary functions. Cauchy integral formula. Theory of residues and application to evaluation of integrals. Conformal mapping.

0101	C Warner MWF 10:00am - 10:50am	Seats (Total: 30) MTH 0307

MATH464 **Transform Methods for Scientists and Engineers**

MATH464 Transform Methods for Scientists and Engineers; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: MATH246. Fourier series, Fourier and Laplace transforms. Evaluation of the complex inversion integral by the theory of residues. Applications to ordinary and partial differential equations of mathematical physics: solutions using transforms and separation of variables. Additional topics such as Bessel functions and calculus of variations.

0101	Radu Balan TuTh 11:00am - 12:15pm	Seats (Total: 30) MTH 1308

MATH475 **Combinatorics and Graph Theory**

MATH475 *(PermReq)* **Combinatorics and Graph Theory; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisites: MATH240 and MATH241; and permission of department. Also offered as CMSC475. Credit will be granted for only one of the following: MATH475 or CMSC475. General enumeration methods, difference equations, generating functions. Elements of graph theory, matrix representations of graphs, applications of graph theory to transport networks, matching theory and graphical algorithms.

0101	Dmitry Dolgopyat	Seats (Total: 30)
	TuTh 12:30pm - 1:45pm	MTH 1313

MATH478A **Selected Topics For Teachers of Mathematics**

MATH478A *(PermReq)* **Selected Topics For Teachers of Mathematics; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

MATH489 **Research Interactions in Mathematics; Research Interactions in Mathematics**

MATH489 *(PermReq)* **Research Interactions in Mathematics: Research Interactions in Mathematics; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

MATH498A **Selected Topics in Mathematics**

MATH498A *(PermReq)* **Selected Topics in Mathematics; (1-9 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

MATH498T **Selected Topics in Mathematics; Game Theory**

MATH498T *(PermReq)* **Selected Topics in Mathematics: Game Theory; (3 credits)** Grade Method: REG.

0101	Piotr Swistak	Seats (Total: 10)
	Contact instructor or department for details.	

MATH601 **Abstract Algebra II**

MATH601 Abstract Algebra II; (3 credits) Grade Method: REG/AUD. *Prerequisite: MATH 600.* Field theory, Galois theory, multilinear algebra. Further topics from: Dedekind domains, Noetherian domains, rings with minimum condition, homological algebra. Course is offered in the spring semester only.

0101	Kartik Prasanna	Seats (Total: 25)
	MWF 10:00am - 10:50am	MTH 0104

MATH608A **Selected Topics in Algebra**

MATH608A Selected Topics in Algebra; (1-3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

MATH608N **Selected Topics in Algebra; Motives**

MATH608N Selected Topics in Algebra: Motives; (1-3 credits) Grade Method: REG/AUD.

0101	Niranjan Ramachandran	Seats (Total: 30)
	MWF 1:00pm - 1:50pm	MTH 1311

MATH620 **Algebraic Number Theory I**

MATH620 Algebraic Number Theory I; (3 credits) Grade Method: REG/AUD. *Prerequisite: MATH 601.* Algebraic numbers and algebraic integers, algebraic number fields of finite degree, ideals and units, fundamental theorem of algebraic number theory, theory of residue classes, Minkowski's theorem on linear forms, class numbers, Dirichlet's theorem on units, relative algebraic number fields, decomposition group, inertia group and ramification group of prime ideals with respect to a relatively Galois extension.

0101	Lawrence Washington	Seats (Total: 30)
	TuTh 9:30am - 10:45am	MTH 0403

MATH631 **Real Analysis II**

MATH631 Real Analysis II; (3 credits) Grade Method: REG/AUD.
Prerequisite: MATH 630. Abstract measure and integration theory, metric spaces, Baire category theorem and uniform boundedness principle, Radon-Nikodym theorem, Riesz Representation theorem, Lebesgue decomposition, Banach and Hilbert Spaces, Banach-Steinhaus theorem, topological spaces, Arzela-Ascoli and Stone-Weierstrass theorems, compact sets and Tychonoff's theorem. Course is offered in the spring semester only.

0101	C Warner	Seats (Total: 25)
	MWF 12:00pm - 12:50pm	MTH 1308

MATH648A **Selected Topics in Analysis**

MATH648A Selected Topics in Analysis; (1-3 credits) Grade Method: REG/AUD.
Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

MATH648C **Selected Topics in Analysis; Wave Packets and Related Transforms**

MATH648C Selected Topics in Analysis: Wave Packets and Related Transforms; (1-3 credits) Grade Method: REG/AUD.

0101	Wojciech Czaja	Seats (Total: 30)
	TuTh 12:30pm - 1:45pm	MTH 0411

MATH648D **Selected Topics in Analysis; Smooth Dynamical Systems**

MATH648D *(PermReq)* **Selected Topics in Analysis: Smooth Dynamical Systems; (1-3 credits)** Grade Method: REG/AUD.

0101	Giovanni Forni	Seats (Total: 10)
	Contact instructor or department for details.	

MATH648M **Selected Topics in Analysis; Advanced Analytic Methods in Applied Mathematics**

MATH648M Selected Topics in Analysis: Advanced Analytic Methods in Applied Mathematics; (1-3 credits) Grade Method: REG/AUD.

0101	Dionisios Margetis	Seats (Total: 35)
	TuTh 9:30am - 10:45am	MTH 0304

MATH648P **Selected Topics in Analysis; Introduction to the Theory of Lyaponuv Exponents and Smooth Ergodic Theory**

MATH648P Selected Topics in Analysis: Introduction to the Theory of Lyaponuv Exponents and Smooth Ergodic Theory; (1-3 credits) Grade Method: REG/AUD.

0101	Yakov Pesin	Seats (Total: 30)
	TuTh 11:00am - 12:15pm	MTH 0106

MATH668A **Selected Topics in Complex Analysis**

MATH668A Selected Topics in Complex Analysis; (1-3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

MATH674 **Partial Differential Equations II**

MATH674 Partial Differential Equations II; (3 credits) Grade Method: REG/AUD. *Prerequisite: AMSC/MATH/MAPL673 or permission of instructor. Also offered as AMSC674. Credit will be granted for only one of the following: AMSC674, MAPL674 or MATH674.* Boundary value problems for elliptic partial differential equations via operator-theoretic methods. Hilbert spaces of functions. Duality, weak convergence. Sobolev spaces. Spectral theory of compact operators. Eigenfunction expansions. Course is offered in the spring semester only.

0101	Charles Levermore	Seats (Total: 25)
	TuTh 11:00am - 12:15pm	MTH B0423

MATH689 **Research Interactions in Mathematics**

MATH689 *(PermReq)* **Research Interactions in Mathematics; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

MATH713 **Mathematical Logic II**

MATH713 Mathematical Logic II; (3 credits) Grade Method: REG/AUD. *Prerequisite: MATH 712 or MATH 447.* Incompleteness and undecidability results of Godel, Church, Tarski and others. Recursive function. Basic proof theory and axiomatic set theory. Course is offered in the spring semester only.

0101	John Goodrick	Seats (Total: 20)
	MWF 11:00am - 11:50am	EGR 3111

MATH718A **Selected Topics in Mathematical Logic**

MATH718A Selected Topics in Mathematical Logic; (1-3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

MATH734 **Algebraic Topology**

MATH734 Algebraic Topology; (3 credits) Grade Method: REG/AUD. *Prerequisite: MATH 403 or equivalent. Recommended: MATH 730.* Singular homology and cohomology, cup products, Poincare duality, Eilenberg-Steenrod axioms, Whitehead and Hurewicz theorems, universal coefficient theorem, cellular homology. Course is offered in the spring semester only.

0101	Joel Cohen	Seats (Total: 25)
	MWF 2:00pm - 2:50pm	MTH 2300

MATH742 **Differential Topology**

MATH742 Differential Topology; (3 credits) Grade Method: REG/AUD. *Prerequisites: {MATH 410; and MATH 411} or equivalent.* Inverse and implicit function theorems, Sard's theorem, orientability, degrees, smooth vector bundles, imbeddings and immersions, transversality approximation theorems and applications, isotopy extension theorem, tubular neighborhoods.

0101	James Schafer	Seats (Total: 20)
	MWF 9:00am - 9:50am	MTH 1311

MATH748A **Selected Topics in Geometry and Topology**

MATH748A Selected Topics in Geometry and Topology; (3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

MATH748E **Selected Topics in Geometry and Topology; Differential Geometry**

MATH748E Selected Topics in Geometry and Topology: Differential Geometry; (1-3 credits) Grade Method: REG/AUD.

0101	William Goldman	Seats (Total: 30)
	TuTh 12:30pm - 1:45pm	MTH B0425

MATH748L **Selected Topics in Geometry and Topology; Representation Theory of Finite Groups of Lie Type**

MATH748L Selected Topics in Geometry and Topology: Representation Theory of Finite Groups of Lie Type; (3 credits) Grade Method: REG/AUD.

0101	Jeffrey Adams	Seats (Total: 10)
	MWF 11:00am - 11:50am	MTH B0425

MATH799 **Master's Thesis Research**

MATH799 Master's Thesis Research; (1-6 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

MATH898 **Pre-Candidacy Research**

MATH898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

MATH899 **Doctoral Dissertation Research**

MATH899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

MEES Marine-Estuarine-Environmental Sciences Spring 2009

MEES498E **Topics in Marine-Estuarine-Environmental Sciences; Physiological Ecology of Animals: Energetic Costs & Consequences**

MEES498E Topics in Marine-Estuarine-Environmental Sciences: Physiological Ecology of Animals: Energetic Costs & Consequences; (3 credits) Grade Method: REG/P-F/AUD.
Course is taught at the Chesapeake Biological Laboratory and on the Interactive Video Network. Also offered as MEES698E.

0101	David Wright, Christopher Rowe	Seats (Total: 20)
	TuTh 12:00pm - 1:30pm	COL 0105

MEES608A **Seminar in Marine-Estuarine-Environmental Sciences; Classic Readings in Oceanography**

MEES608A Seminar in Marine-Estuarine-Environmental Sciences: Classic Readings in Oceanography; (1 credit) Grade Method: REG/AUD.
Course is taught at the Horn point Laboratory, Cambridge, MD.

0101	James Pierson, Judith O'Neil	Seats (Total: 16)
	Contact instructor or department for details.	

MEES608L **Seminar in Marine-Estuarine-Environmental Sciences; Marine Microbial Ecology**

MEES608L Seminar in Marine-Estuarine-Environmental Sciences: Marine Microbial Ecology; (2 credits) Grade Method: REG/AUD.
Course is taught at the Center of Marine Biotechnology and on the Interactive Video Network.

0101	Feng Chen, Russell Hill	Seats (Total: 10)
	Th 3:30pm - 5:30pm	COL 0105

MEES608N **Seminar in Marine-Estuarine-Environmental Sciences; Ecological Economics and Development**

MEES608N Seminar in Marine-Estuarine-Environmental Sciences: Ecological Economics and Development; (1 credit) Grade Method: REG.

0101	Matthias Ruth F 12:00pm - 1:30pm	Seats (Total: 15) VMH 1113

MEES608T **Seminar in Marine-Estuarine-Environmental Sciences; Applications of State-of-the-art Analytical Techniques in the Environmental Sciences**

MEES608T Seminar in Marine-Estuarine-Environmental Sciences: Applications of State-of-the-art Analytical Techniques in the Environmental Sciences; (2 credits) Grade Method: REG/AUD.
Course is taught at the Chesapeake Biological Laboratory and on the Inte ractive Video Network.

0101	Johan Schijf F 9:00am - 11:00am	Seats (Total: 15) COL 0105

MEES608V **Seminar in Marine-Estuarine-Environmental Sciences; Managing Uncertainty in Environmental Science**

MEES608V Seminar in Marine-Estuarine-Environmental Sciences: Managing Uncertainty in Environmental Science; (1 credit) Grade Method: REG/AUD.
Course is taught at the Chesapeake Biological Laboratory, Solomos, MD.

0101	Dennis King W 12:00pm - 1:00pm	Seats (Total: 15) COL 0105

MEES608X **Seminar in Marine-Estuarine-Environmental Sciences; Neoclassical Papers in Aquatic Ecology**

MEES608X Seminar in Marine-Estuarine-Environmental Sciences: Neoclassical Papers in Aquatic Ecology; (1 credit) Grade Method: REG/AUD.
Course is taught at the Appalachian Laboratory and on the Interactive Video Network.

0101	Raymond Morgan M 12:00pm - 1:30pm	Seats (Total: 15) COL 0105

MEES627 **Environmental Geochemistry II**

MEES627 Environmental Geochemistry II; (3 credits) Grade Method: REG/AUD. *Prerequisite: MEES 626 or permission of instructor. Credit will be granted for only one of the following: MEES 627 or MEES 698K. Formerly MEES698K.* Detailed examination of aquatic geochemical cycles, including inorganic and organic geochemistry. Topics include global biogeochemical cycles, estuarine cycling, redox cycles, radiochemistry, stable isotope biogeochemistry and sediment biogeochemistry/diagenesis. Course is taught on the Interactive Video Network.

0101	Jeffrey Cornwell, Henry Harvey	Seats (Total: 25)
	MW 8:30am - 10:00am	COL 0105

MEES652 **Wetland Creation and Restoration**

MEES652 Wetland Creation and Restoration; (3 credits) Grade Method: REG/AUD.
Prerequisite: BSCI106 and {ENST360 or BSCI362 or ENST450 or MEES650}; or permission of department. Also offered as ENST452 or ENST652. Credit will be granted for only one of the following: ENST452, ENST652, or MEES652. Design, construction, and evaluation of wetlands restored or created for ecosystem enhancement or mitigation. Topics will include ecological restoration theory, goal-setting, practices for establishing wetland hydrology, substrate, and vegetation, and restored ecosystem monitoring and functional assessment. Two mandatory Friday afternoon field trips will be held from 1:00-6:00pm (dates to be announced in class); hip length wading boots are recommended for field trips.

0101	Andrew Baldwin	Seats (Total: 40)
	TuTh 11:00am - 12:15pm	CHM 0128

MEES661 **Physics of Estuarine and Marine Environments**

MEES661 Physics of Estuarine and Marine Environments; (3 credits) Grade Method: REG/AUD.
Prerequisite: one year of calculus and one year of physics or permission of instructor. General introduction to the physical oceanography of estuarine and marine systems. Physical characteristics of seawater, heat and mass transport, major ocean currents, basic dynamical oceanography, surface waves, tides, turbulence, sediment transport, estuarine circulation. Course is taught at the Horn Point Laboratory and on the Interactive Video Network.

0101	Shenn-Yu Chao, Ming Li	Seats (Total: 25)
	TuTh 10:30am - 12:00pm	COL 0105

MEES698D **Special Topics in Marine-Estuarine-Environmental Sciences; Advanced Population Dynamics and Assessment**

MEES698D Special Topics in Marine-Estuarine-Environmental Sciences: Advanced Population Dynamics and Assessment; (3 credits) Grade Method: REG/AUD.
Course is taught at the Chesapeake Biological Laboratory and on the Interactive Video Network.

0101	Michael Wilberg	Seats (Total: 20)
	MW 10:30am - 12:00pm	COL 0105

MEES698E **Special Topics in Marine-Estuarine-Environmental Sciences; Physiological Ecology of Animals: Energetic Costs & Consequences**

MEES698E Special Topics in Marine-Estuarine-Environmental Sciences: Physiological Ecology of Animals: Energetic Costs & Consequences; (3 credits) Grade Method: REG/AUD.
Course is taught at the Chesapeake Biological Laboratory and on the Interactive Video Network. Also offered as MEES498E.

0101	David Wright, Christopher Rowe	Seats (Total: 20)
	TuTh 12:00pm - 1:30pm	COL 0105

MEES698K **Special Topics in Marine-Estuarine-Environmental Sciences; Algal Culturing Techniques**

MEES698K *(PermReq)* **Special Topics in Marine-Estuarine-Environmental Sciences: Algal Culturing Techniques; (3 credits)** Grade Method: REG/AUD.
Course is taught at the Horn Point Laboratory, Cambridge, MD.

0101	Patricia Glibert	Seats (Total: 5)
	Contact instructor or department for details.	

MEES698P **Special Topics in Marine-Estuarine-Environmental Sciences; Behavioral Ecology of Prairie Dogs**

MEES698P *(PermReq)* **Special Topics in Marine-Estuarine-Environmental Sciences: Behavioral Ecology of Prairie Dogs; (4 credits)** Grade Method: REG/AUD.
Field course at the Arapaho National Wildlife Refuge in Walden, Colorado.

0101	John Hoogland	Seats (Total: 10)
	Contact instructor or department for details.	

MEES698T **Special Topics in Marine-Estuarine-Environmental Sciences; Biometry**

MEES698T Special Topics in Marine-Estuarine-Environmental Sciences: Biometry; (3 credits) Grade Method: REG/AUD.
Course is taught at the Appalachian Laboratory and on the Interactive Video Network.

0101	Robert Hilderbrand	Seats (Total: 30)
	TuTh 1:30pm - 3:00pm	COL 0105

MEES698V **Special Topics in Marine-Estuarine-Environmental Sciences; Ecosystem Restoration Applications**

MEES698V Special Topics in Marine-Estuarine-Environmental Sciences: Ecosystem Restoration Applications; (3 credits) Grade Method: REG/AUD.
Course is taught on the Interactive Video Network.

0101	Donald Boesch, William Dennison	Seats (Total: 15)
	Tu 3:30pm - 6:30pm	COL 0105

MEES698W **Special Topics in Marine-Estuarine-Environmental Sciences; Current Issues in Fisheries and Wildlife Science**

MEES698W Special Topics in Marine-Estuarine-Environmental Sciences: Current Issues in Fisheries and Wildlife Science; (3 credits) Grade Method: REG/AUD.
Also offered as ENST499W and ENST689W.

0101	Reginal Harrell	Seats (Total: 35)
	TuTh 12:30pm - 1:45pm	ANS 0412

MEES698Z **Special Topics in Marine-Estuarine-Environmental Sciences; Energy and Environment**

MEES698Z Special Topics in Marine-Estuarine-Environmental Sciences: Energy and Environment; (3 credits) Grade Method: REG/AUD.
Also offered as ENST405 and ENST605.

0101	Stephanie Lansing	Seats (Total: 41)
	MWF 10:00am - 10:50am	ANS 0422

MEES699 **Special Problems in Marine-Estuarine-Environmental Sciences**

MEES699 *(PermReq)* **Special Problems in Marine-Estuarine-Environmental Sciences; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

MEES799 **Masters Thesis Research**

MEES799 Masters Thesis Research; (1-6 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

MEES898 **Pre-Candidacy Research**

MEES898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

MEES899 **Doctoral Dissertation Research**

MEES899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

MIEH Maryland Institute for Applied Environmental Health Spring 2009

MIEH600 **Foundations of Environmental Health**

MIEH600 Foundations of Environmental Health; (3 credits) Grade Method: REG/AUD.
Not open to students who have completed HLTH761. Credit will be granted for only one of the following: HLTH761 or MIEH600. Formerly HLTH761. Overview of the chemical, physical and biological hazards present in our living and working environment and their effects on human health. Topics include: exposure assessment, industrial hygiene and safety, pesticides, community and indoor pollution, food-borne diseases, solid and hazardous wastes, water resources, risk assessement, ecological issues and environmental laws.

0101	Betty Dabney M 4:00pm - 6:45pm	Seats (Total: 30) SPH 1301

MIEH720 **Principles of Toxicology**

MIEH720 Principles of Toxicology; (3 credits) Grade Method: REG/AUD.
Prerequisite: MIEH600. Recommended: some coursework in chemistry and/or biology. Overview of toxicology, including exposure pathways, toxicokinetics, dermal toxicants, carcinogens, and genetic, reproductive, immuno-, nuero-, target organs, complex mixtures, structure-activity analysis, and determinants of hypo- and hyper-susceptibility. Case studies of global national and regional interest.

0101	Amy Sapkota Th 4:00pm - 6:45pm	Seats (Total: 25) SPH 0308

MIEH771 **Exposure Assessment of Environmental Hazards**

MIEH771 Exposure Assessment of Environmental Hazards; (3 credits) Grade Method: REG/AUD.
Prerequisite: MIEH600 and EPIB650. Approaches and methods for determining exposure to environmental contaminants. Biomonitoring and genetic methods to detect recent exposures. Optimizing exposure assessment.

0101	Amir Sapkota W 4:00pm - 6:45pm	Seats (Total: 25) SPH 0308

MIEH780 **Environmental and Occupational Diseases**

MIEH780 Environmental and Occupational Diseases; (3 credits) Grade Method: REG/AUD.
Prerequisite: MIEH600. Distinctions between injury, illness, and disease, as well as between ambient and occupational environments. In-depth discussion of major environmental and occupational diseases by organ system, and their etiology, characterization, treatment and prevention.

0101	Betty Dabney	Seats (Total: 25)
	Tu 4:00pm - 6:45pm	SPH 1242H

MIEH785 **Internship in Public Health**

MIEH785 Internship in Public Health; (3 credits) Grade Method: REG/AUD.
Prerequisite: permission of department. Internship and seminar providing an opportunity to apply previously acquired knowledge and skills in a health or allied health organization. Setting of the internship will depend upon the student's background and career goals.

0101	Amir Sapkota	Seats (Total: 5)
	Contact instructor or department for details.	

MIEH786 **Captsone Project in Public Health**

MIEH786 Captsone Project in Public Health; (3 credits) Grade Method: REG/AUD.
Prerequisite: permission of department. Capstone experience provding opportunity to apply knowledge and skills to a specific public health problem or issue. Completion of project relevant to public health under the direction of an advisor.

0101	Betty Dabney	Seats (Total: 5)
	Contact instructor or department for details.	

MIEH788 **Critical Readings in Environmental Health**

MIEH788 Critical Readings in Environmental Health; (1-3 credits) Grade Method: REG/AUD.

0101	Instructor: TBA	Seats (Total: 10)
	Contact instructor or department for details.	

MIEH789 **Independent Study**

MIEH789 *(PermReq)* **Independent Study; (1-6 credits)** Grade Method: REG/AUD.

0201	Betty Dabney	Seats (Total: 5)
	Contact instructor or department for details.	
0202	Amir Sapkota	Seats (Total: 5)
	Contact instructor or department for details.	
0203	Amy Sapkota	Seats (Total: 5)
	Contact instructor or department for details.	

MIEH799 **Master's Thesis Research**

MIEH799 Master's Thesis Research; (1-6 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

MOCB Molecular and Cell Biology Spring 2009

MOCB640 **Protein Structure and Function**

MOCB640 Protein Structure and Function; (3 credits) Grade Method: REG. Protein structure, properties, and structure-function relationships.

0101	Philip Bryan	Seats (Total: 22)
	TuTh 2:00pm - 3:15pm	MCB 1207

MOCB699 **Laboratory Rotation**

MOCB699 *(PermReq)* **Laboratory Rotation; (2-3 credits)** Grade Method: S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

MOCB898 **Pre-Candidacy Research**

MOCB898 Pre-Candidacy Research; (1-8 credits) Grade Method: S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

MOCB899 **Doctoral Dissertation Research**

MOCB899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

MUED Music Education Spring 2009

MUED155 **Fundamentals for the Classroom Teacher**

MUED155 Fundamentals for the Classroom Teacher; (3 credits) Grade Method: REG/P-F/AUD.
Open to students majoring in pre-early childhood education, pre-elementary education, elementary education or childhood education. The fundamentals of music theory and practice, related to the needs of the classroom and the kindergarten teacher.

0101	Jane Sitarz TuTh 2:00pm - 3:15pm	Seats (Total: 25) PAC 3160
0201	Leigh Berkley TuTh 11:00am - 12:15pm	Seats (Total: 25) PAC 3160
0301	Karen Koner TuTh 12:30pm - 1:45pm	Seats (Total: 25) PAC 3160

MUED187 **Pre-Professional Experiences II**

MUED187 Pre-Professional Experiences II; (1 credit) Grade Method: REG/P-F/AUD.
Prerequisite: MUED186. For MUED majors only. Regular on-site school visitation at elementary, middle and high school levels arranged to expand student understandings and reflections of music instruction in classroom settings.

0101	Karen Koner M 2:00pm - 2:50pm	Seats (Total: 25) PAC 2160

MUED216 **Percussion Technique and Pedagogy**

MUED216 Percussion Technique and Pedagogy; (2 credits) Grade Method: REG/P-F/AUD.
For MUED majors only. Playing experience on percussion instruments. Historical and acoustical background. Scoring for percussion. Principles of improvisation. Basic concepts of teaching. Methods and materials. Techniques of individual and class instruction.

0101	Aubrey Adams	Seats (Total: 15)
	MWF 8:00am - 8:50am	PAC 2540

MUED217 **Brass Instrument Technique and Pedagogy**

MUED217 Brass Instrument Technique and Pedagogy; (2 credits) Grade Method: REG/P-F/AUD.
For MUED majors only. Playing experience on instruments of the brass family. Historical and acoustical background. Principles of improvisation. Basic concepts of teaching. Methods and materials. Techniques of individual and class instruction.

0101	Wendy Matthews	Seats (Total: 15)
	MWF 10:00am - 10:50am	PAC 1230

MUED311 **Foundations of Elementary Instrumental Instruction**

MUED311 Foundations of Elementary Instrumental Instruction; (2 credits) Grade Method: REG/P-F/AUD.
For MUED majors only. Prepare instrumental-emphasis music education majors to synthesize the knowledge and skills that will enable them to teach fundamental musical skills at the elementary level.

0101	Michael Hewitt	Seats (Total: 15)
	TuTh 2:00pm - 3:15pm	PAC 2540

MUED411 **Advanced Methods in Elementary Instrumental Music Instruction**

MUED411 Advanced Methods in Elementary Instrumental Music Instruction; (2 credits) Grade Method: REG.
Prerequisites: MUED311 and MUED320. Corequisite: MUED489. For MUED majors only. Prepare instrumental-emphasis music education majors to synthesize the knowledge and skills that will enable them to develop and/or maintain an exemplary curricular-oriented, research-based, comprehensive elementary instrumental music program.

0101	Bruce Carter	Seats (Total: 12)
	Tu 11:00am - 11:50am	PAC 2540
	Th 9:00am - 11:50am	PAC 2540

MUED472 **Choral Methods**

MUED472 *(PermReq)* **Choral Methods; (2 credits)** Grade Method: REG/AUD.
Prerequisite: MUED471. Corequisite: MUED489. For MUED majors only. Preparation for teaching choral classes through the integration of conducting technique, vocal pedagogy, knowledge of repertoire, and the application of appropriate instructional strategies in the context of peer teaching and field experience assignments.

0101	Melissa Mills	Seats (Total: 15)
	Tu 10:45am - 11:50am	PAC 2130A
	Th 9:00am - 11:50am	PAC 2130A

MUED473 **Secondary General Music Methods**

MUED473 Secondary General Music Methods; (2 credits) Grade Method: REG/P-F/AUD.
For MUED majors only. Introduction to current trends, materials and approaches in secondary general music instruction.

0101	Melissa Mills	Seats (Total: 20)
	Tu 9:00am - 10:40am	PAC 2130A

MUED474 **Field Experiences: Pre-Student Teaching**

MUED474 Field Experiences: Pre-Student Teaching; (1 credit) Grade Method: REG.
Prerequisite: MUED411 and MUED420; or MUED471 and MUED472; and permission of department. Senior standing. Field experiences to fulfill teaching requirements in K-12 music teacher education program.

0101	Janet Montgomery, Melissa Mills, Bruce Carter, Michael Hewitt, Wendy Matthews Tu 7:30pm - 8:30pm	Seats (Total: 15) Location: TBA

MUED484 **Student Teaching in Elementary School: Music**

MUED484 Student Teaching in Elementary School: Music; (4-6 credits) Grade Method: S-F.
Prerequisites: Admission to teacher education program and permission of department. Corequisite: MUED494. For MUED majors only. Fulfills elementary teaching requirements in K-12 music teacher education program. Limited to music education majors who have previously applied.

0101	Melissa Mills, Janet Montgomery, Wendy Matthews, Michael Hewitt, Bruce Carter Contact instructor or department for details.	Seats (Total: 15)

MUED489C **Field Experiences**

MUED489C *(PermReq)* **Field Experiences; (1 credit)** Grade Method: REG/P-F/AUD. Prerequisite: permission of department. Restricted to music education majors only. Repeatable to 6 credits.

0101	Melissa Mills Contact instructor or department for details.	Seats (Total: 10)

MUED489F **Field Experiences**

MUED489F *(PermReq)* **Field Experiences; (1 credit)** Grade Method: REG/P-F/AUD. Prerequisites: permission of department. Restricted to music education majors only. Repeatable to 6 credits.

0101	Janet Montgomery Tu 4:30pm - 6:30pm	Seats (Total: 15) PAC 2130A

MUED489I **Field Experiences**

MUED489I *(PermReq)* **Field Experiences; (1 credit)** Grade Method: REG/P-F/AUD. Prerequisite: permission of department. Restricted to music education majors only. Repeatable to 6 credits.

0101	Bruce Carter Contact instructor or department for details.	Seats (Total: 15)

MUED494 **Student Teaching in Secondary School: Music**

MUED494 Student Teaching in Secondary School: Music; (4-6 credits) Grade Method: S-F.
Prerequisite: admission to teacher education program and permission of department. Corequisite: MUED484. For MUED majors only. Fulfill secondary teaching requirements in K-12 music teacher education program. Limited to music education majors who have previously applied.

0101	Wendy Matthews, Michael Hewitt, Melissa Mills, Bruce Carter, Janet Montgomery Contact instructor or department for details.	Seats (Total: 15)

MUED672 **Advanced Instrumental Methods in Music Education**

MUED672 Advanced Instrumental Methods in Music Education; (3 credits) Grade Method: REG/AUD.
Prerequisite: permission of department. Teaching instrumental music in the K-12 setting, including recruiting, literature selection, curriculum, rehearsal techniques, and pedagogical approaches.

0101	Bruce Carter Tu 6:30pm - 9:00pm	Seats (Total: 15) PAC 2130A

MUED692 **Foundations and Perspectives of Music Education**

MUED692 Foundations and Perspectives of Music Education; (3 credits) Grade Method: REG/AUD.
Prerequisite: permission of department. An introduction to historical, sociological, and philosophical perspectives of music education.

0101	Janet Montgomery M 6:30pm - 9:00pm	Seats (Total: 15) PAC 2130A	

MUET Ethnomusicology Spring 2009

MUET200 **World Popular Musics and Identity**

MUET200 World Popular Musics and Identity; (3 credits) Grade Method: REG/P-F/AUD. CORE History or Theory of Arts (HA) Course. CORE Diversity (D) Course. Perspectives of world popular music as contested terrain, in terms of gender, nationality and aesthetics. Students will read case histories of specific movements, social commentaries on genres such as reggae, celtic-pop and rap, and investigate issues such as accessibility and technological constraints. The unifying factors are cross-cultural perceptions and displays of national identity, cultural retentions, stability and change.

0101	Boden Sandstrom W 1:00pm - 2:50pm M 3:00pm - 3:50pm	Seats (Total: 25) Location: TBA PAC 2168	Discussion
0102	Boden Sandstrom W 1:00pm - 2:50pm M 1:00pm - 1:50pm	Seats (Total: 25) Location: TBA PAC 2160	Discussion
0103	Boden Sandstrom W 1:00pm - 2:50pm M 2:00pm - 2:50pm	Seats (Total: 25) Location: TBA PAC 3164	Discussion
0104	Boden Sandstrom W 1:00pm - 2:50pm M 11:00am - 11:50am	Seats (Total: 25) Location: TBA PAC 3160	Discussion
0105	Boden Sandstrom W 1:00pm - 2:50pm M 1:00pm - 1:50pm	Seats (Total: 25) Location: TBA PAC 3164	Discussion
0106	Boden Sandstrom W 1:00pm - 2:50pm M 11:00am - 11:50am	Seats (Total: 25) Location: TBA PAC 3164	Discussion

0107	Boden Sandstrom W 1:00pm - 2:50pm M 12:00pm - 12:50pm	Seats (Total: 25) Location: TBA PAC 2160	Discussion
0108	Boden Sandstrom W 1:00pm - 2:50pm M 1:00pm - 1:50pm	Seats (Total: 25) Location: TBA PAC 2168	Discussion
0109	Boden Sandstrom W 1:00pm - 2:50pm M 2:00pm - 2:50pm	Seats (Total: 25) Location: TBA PAC 2168	Discussion
0110	Boden Sandstrom W 1:00pm - 2:50pm M 12:00pm - 12:50pm	Seats (Total: 25) Location: TBA PAC 3160	Discussion
0111	Boden Sandstrom W 1:00pm - 2:50pm M 1:00pm - 1:50pm	Seats (Total: 25) Location: TBA PAC 3160	Discussion
0112	Boden Sandstrom W 1:00pm - 2:50pm M 12:00pm - 12:50pm	Seats (Total: 25) Location: TBA PAC 3164	Discussion

MUET210 **The Impact of Music on Life**

MUET210 The Impact of Music on Life; (3 credits) Grade Method: REG. CORE History or Theory of Arts (HA) Course. CORE Diversity (D) Course.
Music as a part of culture. Materials drawn from traditions throughout the globe to illustrate issues of historical and contemporary significance, including the impact of race, class and gender on the study of music.

0101	Eliot Bates MW 11:00am - 11:50am F 1:00pm - 1:50pm	Seats (Total: 25) ARC 0204 PAC 1815	Discussion
0102	Eliot Bates MW 11:00am - 11:50am F 12:00pm - 12:50pm	Seats (Total: 25) ARC 0204 PAC 1815	Discussion

0103	Eliot Bates MW 11:00am - 11:50am F 11:00am - 11:50am	Seats (Total: 25) ARC 0204 PAC 1815	Discussion
0104	Eliot Bates MW 11:00am - 11:50am F 2:00pm - 2:50pm	Seats (Total: 25) ARC 0204 PAC 1815	Discussion
0105	Eliot Bates MW 11:00am - 11:50am F 12:00pm - 12:50pm	Seats (Total: 25) ARC 0204 PAC 1809	Discussion
0106	Eliot Bates MW 11:00am - 11:50am F 2:00pm - 2:50pm	Seats (Total: 25) ARC 0204 PAC 1809	Discussion
0107	Eliot Bates MW 11:00am - 11:50am F 11:00am - 11:50am	Seats (Total: 25) ARC 0204 PAC 1809	Discussion
0108	Eliot Bates MW 11:00am - 11:50am F 1:00pm - 1:50pm	Seats (Total: 25) ARC 0204 PAC 1809	Discussion
0109	Eliot Bates MW 11:00am - 11:50am F 10:00am - 10:50am	Seats (Total: 25) ARC 0204 PAC 1815	Discussion

MUET220 **Selected Musical Cultures of the World**

MUET220 Selected Musical Cultures of the World; (3 credits) Grade Method: REG. CORE History or Theory of Arts (HA) Course. CORE Diversity (D) Course. A survey of selected musical cultures of the world, such as India, Japan, China, Indonesia, West Africa, Eastern Europe and the Near East.

0101	John Witzleben MW 10:00am - 10:50am F 11:00am - 11:50am	Seats (Total: 25) JMZ 0220 PAC 3168	Discussion

0102	John Witzleben MW 10:00am - 10:50am F 12:00pm - 12:50pm	Seats (Total: 25) JMZ 0220 PAC 3160	Discussion
0103	John Witzleben MW 10:00am - 10:50am F 11:00am - 11:50am	Seats (Total: 25) JMZ 0220 PAC 3160	Discussion
0104	John Witzleben MW 10:00am - 10:50am F 1:00pm - 1:50pm	Seats (Total: 25) JMZ 0220 PAC 3160	Discussion
0105	John Witzleben MW 10:00am - 10:50am F 12:00pm - 12:50pm	Seats (Total: 25) JMZ 0220 PAC 3168	Discussion
0106	John Witzleben MW 10:00am - 10:50am F 1:00pm - 1:50pm	Seats (Total: 25) JMZ 0220 PAC 3168	Discussion

MUET620 **Analysis of World Music**

MUET620 Analysis of World Music; (3 credits) Grade Method: REG. *Recommended: Seminar in transcription.* Development of skills for auditory analysis of diverse musical systems.

0101	Robert Provine M 3:30pm - 6:00pm	Seats (Total: 12) PAC 3110A

MUET661 **Field Methods in Ethnomusicology II**

MUET661 Field Methods in Ethnomusicology II; (3 credits) Grade Method: REG. *Prerequisite: MUET660.* Advanced training in field research techniques and issues including multimedia recording and data management, interview and survey techniques, grant writing, and research ethics. Also offered as ANTH688D.

0101	Eliot Bates W 3:30pm - 6:00pm	Seats (Total: 12) PAC 3112

MUET676 **Current theory and Method in Ethnomusicology**

MUET676 Current theory and Method in Ethnomusicology; (3 credits) Grade Method: REG.
Prerequisite: MUET 675 or equivalent. Reading and discussion of major works in ethnomusicology, with emphasis on a close examination of trends in methodology and theory from approximately twenty years before the present to current work in both areas. Current work in all geographic areas will be reviewed and analyzed.

0101	John Witzleben Tu 3:30pm - 6:00pm	Seats (Total: 12) PAC 3110A

MUET679A **Seminar in Ethnomusicology; Historical Ethnomusicology**

MUET679A Seminar in Ethnomusicology: Historical Ethnomusicology; (3 credits) Grade Method: REG.

0101	Robert Provine Th 3:30pm - 6:00pm	Seats (Total: 12) PAC 3110A

MUSC School of Music Spring 2009

MUSC099 **Performance Attendance**

MUSC099 Performance Attendance; (No credit) Grade Method: S-F.

0101	Frank Latino Contact instructor or department for details.	Seats (Total: 150)

MUSC100 **Beginning Class Voice**

MUSC100 Beginning Class Voice; (2 credits) Grade Method: REG/P-F/AUD.
A laboratory course involving a variety of voices and vocal problems. Principles of correct breathing as applied to singing; fundamentals of tone production and diction. Repertoire of folk songs and songs of the Classical and Romantic periods. Development of students' voices.

0101	Peter Burroughs MW 10:00am - 10:50am	Seats (Total: 15) PAC 2170
0102	Rebecca Echols MW 11:00am - 11:50am	Seats (Total: 15) PAC 2170

MUSC102B **Class Piano**

MUSC102B Class Piano; (2 credits) Grade Method: REG/P-F/AUD.

0101	Christiana Iheadindu MWF 12:00pm - 12:50pm	Seats (Total: 14) PAC 1123

MUSC103 **Beginning Class Piano II**

MUSC103 *(PermReq)* **Beginning Class Piano II; (2 credits)** Grade Method: REG/AUD.
Prerequisite: MUSC102 or permission of department. Functional piano training for beginners. Development of techniques useful for school and community playing. Basic piano techniques; chord, arpeggio, and scale techniques; melody and song playing; simple accompaniments, improvisation for accompaniments and rhythms; sight reading and transposition, and playing by ear. MUSC 103 is a continuation of MUSC 102; elementary repertoire is begun. Limited to music majors.

0101	Benjamin Harding TuTh 11:00am - 12:15pm	Seats (Total: 14) PAC 1123
0201	Ja-Hye Koo MWF 11:00am - 11:50am	Seats (Total: 14) PAC 1123
0301	Shelby Sender MWF 1:00pm - 1:50pm	Seats (Total: 14) PAC 1123

MUSC106 **Beginning Classical Guitar**

MUSC106 Beginning Classical Guitar; (2 credits) Grade Method: REG/P-F/AUD.
Introduction to classical guitar notation, technique, literature and performance. No previous musical experience required.

0101	Giorgia Cavallaro MW 11:00am - 11:50am	Seats (Total: 12) PAC 1230

MUSC126 **Vocal Diction: English and Latin**

MUSC126 *(PermReq)* **Vocal Diction: English and Latin; (1 credit)** Grade Method: REG/P-F/AUD.
Prerequisite: permission of department. Augmentation of private voice study. Phonetics and diction for singers of English and Latin vocal literature.

0101	Emily Riggs	Seats (Total: 15)	
	TuTh 11:00am - 11:50am	PAC 3164	

MUSC128 **Sight Reading For Pianists**

MUSC128 *(PermReq)* **Sight Reading For Pianists; (2 credits)** Grade Method: REG/P-F/AUD.

0101	Cleveland Page	Seats (Total: 5)	
	MW 10:00am - 10:50am	PAC 2201	

MUSC129A **Ensemble; Chamber Strings**

MUSC129A *(PermReq)* **Ensemble: Chamber Strings; (1 credit)** Grade Method: REG.
Contact instructor to make arrangements. For Music majors only.

0101	David Salness	Seats (Total: 45)	
	TuTh 11:00am - 12:15pm	PAC 2201	Lab

MUSC129B **Ensemble; Chamber Woodwinds**

MUSC129B *(PermReq)* **Ensemble: Chamber Woodwinds; (1 credit)** Grade Method: REG.
Contact instructor to make arrangements. For Music majors only.

0101	Mark Hill	Seats (Total: 40)	
	TuTh 11:00am - 12:15pm	PAC 2201	Lab

MUSC129C **Ensemble; Chamber Brasses**

MUSC129C *(PermReq)* **Ensemble: Chamber Brasses; (1 credit)** Grade Method: REG/P-F/AUD.
For Music majors only.

0101	Paul Gekker	Seats (Total: 30)	
	TuTh 11:00am - 12:15pm	PAC 2201	Lab
	MTuWThF 8:00am - 8:50am	PAC 2201	Lab

MUSC129D **Ensemble; African Drumming**

MUSC129D Ensemble: African Drumming; (1 credit) Grade Method: REG/P-F/AUD.

0101	Amadou Kouyate	Seats (Total: 12)	
	M 7:00pm - 8:30pm	PAC 2540	Lab

MUSC129E **Ensemble; Advanced African Drumming**

MUSC129E *(PermReq)* **Ensemble: Advanced African Drumming; (1 credit)** Grade Method: REG.
Prerequisite: Contact instructor to make arrangements.

0101	Mahiri Edwards	Seats (Total: 12)	
	W 7:00pm - 8:30pm	PAC 2201	Lab

MUSC129G **Ensemble; Balinese Gamelan**

MUSC129G Ensemble: Balinese Gamelan; (1 credit) Grade Method: REG.

0101	I Suadin	Seats (Total: 15)	
	Th 7:00pm - 8:30pm	PAC 1230	

MUSC129H **Ensemble; Harp**

MUSC129H *(PermReq)* **Ensemble: Harp; (1 credit)** Grade Method: REG.

0101	Rebecca Smith	Seats (Total: 6)	
	TuTh 11:00am - 12:15pm	Location: TBA	Lab

MUSC129I **Ensemble; New Music**

MUSC129I *(PermReq)* **Ensemble: New Music; (1 credit)** Grade Method: REG.
Contact instructor to make arrangements.

0101	Dora Hanninen	Seats (Total: 5)	
	Contact instructor or department for details.		

MUSC129K **Ensemble; Japanese Koto**

MUSC129K Ensemble: Japanese Koto; (1 credit) Grade Method: REG.

0101	Kyoko Okamoto	Seats (Total: 10)	
	Tu 5:30pm - 7:00pm	PAC 3160	

MUSC129L **Ensemble; Advanced Japanese Koto**

MUSC129L *(PermReq)* **Ensemble: Advanced Japanese Koto; (1 credit)** Grade Method: REG.
Prerequisite: Contact instructor to make arrangements.

0101	Kyoko Okamoto	Seats (Total: 4)	
	Tu 7:00pm - 8:30pm	PAC 3160	Lab

MUSC129M **Ensemble; Flute Choir**

MUSC129M *(PermReq)* **Ensemble: Flute Choir; (1 credit)** Grade Method: REG.
Contact instructor to make arrangements.

0101	William Montgomery	Seats (Total: 6)	
	TBA	PAC 1130C	Lab

MUSC129N **Ensemble; University of Maryland Brass**

MUSC129N *(PermReq)* **Ensemble: University of Maryland Brass; (1 credit)** Grade Method: REG.

0101	Brett Miller	Seats (Total: 24)	
	W 7:30pm - 10:00pm	PAC 1230	Lab

MUSC129P **Ensemble; Percussion**

MUSC129P *(PermReq)* **Ensemble: Percussion; (1 credit)** Grade Method: REG.

0101	Lee Hinkle	Seats (Total: 15)	
	F 3:30pm - 6:00pm	PAC 2540	Lab
	M 5:00pm - 6:30pm	PAC 2540	Lab

MUSC129Q **Ensemble; Korean Percussion Ensemble**

MUSC129Q Ensemble: Korean Percussion Ensemble; (1 credit) Grade Method: REG.

0101	Sebastian Wang	Seats (Total: 10)
	Th 7:00pm - 8:30pm	PAC 2170

MUSC129R **Ensemble; Clarinet Choir**

MUSC129R *(PermReq)* **Ensemble: Clarinet Choir; (1 credit)** Grade Method: REG.

0101	Edward Walters	Seats (Total: 15)
	Contact instructor or department for details.	

MUSC129S **Ensemble; Saxophone**

MUSC129S *(PermReq)* **Ensemble: Saxophone; (1 credit)** Grade Method: REG.

0101	Dale Underwood	Seats (Total: 10)	
	Tu 7:30pm - 9:30pm	PAC 2126	Lab

MUSC129T **Ensemble; Trombone**

MUSC129T *(PermReq)* **Ensemble: Trombone; (1 credit)** Grade Method: REG.

0101	John Huling	Seats (Total: 10)
	Contact instructor or department for details.	

MUSC129U **Ensemble; Tuba and Euphonium**

MUSC129U *(PermReq)* **Ensemble: Tuba and Euphonium; (1 credit)** Grade Method: REG.

0101	Paul Kellner	Seats (Total: 10)
	Contact instructor or department for details.	

MUSC129X **Ensemble; Chamber Music Connection**

MUSC129X *(PermReq)* **Ensemble: Chamber Music Connection; (1 credit)** Grade Method: REG.

0101	Richard Williams TuTh 11:00am - 12:15pm	Seats (Total: 14) PAC 2200	 Lab

MUSC130 **Survey of Music Literature**

MUSC130 Survey of Music Literature; (3 credits) Grade Method: REG/P-F/AUD. CORE History or Theory of Arts (HA) Course.
Open to all students except music and music education majors. A study of the principles upon which music is based, and an introduction to the musical repertory performed in America today.

0101	Ann DiClemente MW 9:00am - 9:50am F 9:00am - 9:50am	Seats (Total: 30) PAC 2200 PAC 2164	 Discussion
0102	Ann DiClemente MW 9:00am - 9:50am F 10:00am - 10:50am	Seats (Total: 30) PAC 2200 PAC 2164	 Discussion
0103	Ann DiClemente MW 9:00am - 9:50am F 11:00am - 11:50am	Seats (Total: 30) PAC 2200 PAC 2164	 Discussion
0201	Ann DiClemente MW 10:00am - 10:50am F 9:00am - 9:50am	Seats (Total: 30) PAC 2200 PAC 2200	 Discussion
0202	Ann DiClemente MW 10:00am - 10:50am F 10:00am - 10:50am	Seats (Total: 30) PAC 2200 PAC 2200	 Discussion
0301	Ann DiClemente MW 11:00am - 11:50am F 9:00am - 9:50am	Seats (Total: 30) PAC 2200 PAC 3164	 Discussion

0302	Ann DiClemente MW 11:00am - 11:50am F 10:00am - 10:50am	Seats (Total: 30) PAC 2200 PAC 3164	Discussion
0303	Ann DiClemente MW 11:00am - 11:50am F 11:00am - 11:50am	Seats (Total: 30) PAC 2200 PAC 3164	Discussion

MUSC130H **Survey of Music Literature**

MUSC130H Survey of Music Literature; (3 credits) Grade Method: REG/P-F/AUD. CORE History or Theory of Arts (HA) Course.
Open to all students except music and music education majors. For general honors students only.

0203	Ann DiClemente MW 10:00am - 10:50am F 11:00am - 11:50am	Seats (Total: 20) PAC 2200 PAC 2200	Discussion

MUSC140 **Music Fundamentals I**

MUSC140 Music Fundamentals I; (3 credits) Grade Method: REG/AUD. CORE History or Theory of Arts (HA) Course.
Limited to non-music majors. Introductory theory course. Notation, scales, intervals, triads, rhythm, form and basic aural skills.

0101	Patricia Burt MWF 11:00am - 11:50am	Seats (Total: 20) PAC 2168	
0201	Patricia Burt MWF 12:00pm - 12:50pm	Seats (Total: 20) PAC 2168	

MUSC151 **Theory of Music II**

MUSC151 *(PermReq)* **Theory of Music II; (3 credits)** Grade Method: REG/AUD. *Prerequisite: a grade of C or better in MUSC150.* A continuation of MUSC150, including study of more advanced harmonic techniques of the eighteenth century, such as modulation and chromatic harmonies. Emphasis on sight singing, ear training, analysis and compositional skills.

0101	Richard Layton MWF 8:00am - 8:50am TuTh 8:00am - 8:50am	Seats (Total: 6) PAC 2168 PAC 3164	 Lab
0102	Richard Layton MWF 8:00am - 8:50am TuTh 9:00am - 9:50am	Seats (Total: 6) PAC 2168 PAC 3164	 Lab
0201	Richard Layton MWF 9:00am - 9:50am TuTh 9:00am - 9:50am	Seats (Total: 6) PAC 2168 PAC 2164	 Lab
0202	Richard Layton MWF 9:00am - 9:50am TuTh 9:00am - 9:50am	Seats (Total: 6) PAC 2168 PAC 2168	 Lab
0301	Joseph Perry-Parrish MWF 10:00am - 10:50am TuTh 10:00am - 10:50am	Seats (Total: 6) PAC 2168 PAC 2164	 Lab
0302	Joseph Perry-Parrish MWF 10:00am - 10:50am TuTh 10:00am - 10:50am	Seats (Total: 6) PAC 2168 PAC 2168	 Lab

MUSC200 **Intermediate Class Voice I**

MUSC200 *(PermReq)* **Intermediate Class Voice I; (2 credits)** Grade Method: REG. *Prerequisite: MUSC100 or equivalent vocal training.* Continuation of MUSC100, with more advanced repertory for solo voice and small ensembles. A special section for music education majors will include the study of methods and materials for teaching class voice.

0101	Melissa Schiel MW 2:00pm - 2:50pm	Seats (Total: 15) PAC 2170

MUSC205 **History of Popular Music, 1950-Present**

MUSC205 History of Popular Music, 1950-Present; (3 credits) Grade Method: REG/P-F/AUD. CORE History or Theory of Arts (HA) Course.
A historical survey of rock music (blues, rock, soul, metal, rap, etc.) from circa 1950 to the present, with emphasis on popular music as music and popular music as social history.

0101	Kate Weber-Petrova MW 12:00pm - 12:50pm F 10:00am - 10:50am	Seats (Total: 25) ARC 0204 PAC 2160	Discussion
0102	Kate Weber-Petrova MW 12:00pm - 12:50pm F 11:00am - 11:50am	Seats (Total: 25) ARC 0204 PAC 2160	Discussion
0103	Kate Weber-Petrova MW 12:00pm - 12:50pm F 9:00am - 9:50am	Seats (Total: 25) ARC 0204 PAC 2160	Discussion
0104	Kate Weber-Petrova MW 12:00pm - 12:50pm F 12:00pm - 12:50pm	Seats (Total: 25) ARC 0204 PAC 2160	Discussion
0105	Kate Weber-Petrova MW 12:00pm - 12:50pm F 2:00pm - 2:50pm	Seats (Total: 25) ARC 0204 PAC 3164	Discussion
0106	Kate Weber-Petrova MW 12:00pm - 12:50pm F 1:00pm - 1:50pm	Seats (Total: 25) ARC 0204 PAC 2160	Discussion
0107	Kate Weber-Petrova MW 12:00pm - 12:50pm F 12:00pm - 12:50pm	Seats (Total: 25) ARC 0204 PAC 3164	Discussion
0108	Kate Weber-Petrova MW 12:00pm - 12:50pm F 1:00pm - 1:50pm	Seats (Total: 25) ARC 0204 PAC 3164	Discussion
0109	Kate Weber-Petrova MW 12:00pm - 12:50pm F 2:00pm - 2:50pm	Seats (Total: 25) ARC 0204 PAC 2160	Discussion

MUSC226 **Vocal Diction: French**

MUSC226 *(PermReq)* **Vocal Diction: French; (1 credit)** Grade Method: REG/P-F/AUD.
Prerequisite: permission of department. For MUSC majors only. Augmentation of private voice study. Phonetics and diction for singers of French vocal literature.

0101	Diba Alvi	Seats (Total: 20)	
	TuTh 11:00am - 11:50am	PAC 3168	

MUSC228 **Introduction to Accompanying for Pianists**

MUSC228 *(PermReq)* **Introduction to Accompanying for Pianists; (2 credits)** Grade Method: REG/P-F/AUD.

0101	David Ballena	Seats (Total: 5)	
	Tu 4:00pm - 5:40pm	PAC 2126	

MUSC229A **Ensemble; Symphony Orchestra**

MUSC229A *(PermReq)* **Ensemble: Symphony Orchestra; (1 credit)** Grade Method: REG.
Audition required before permission of department will be granted. Contact instructor to make arrangements.

0101	James Ross	Seats (Total: 70)	
	TuTh 3:30pm - 6:30pm	PAC 1230	

MUSC229D **Ensemble; Wind Orchestra**

MUSC229D Ensemble: Wind Orchestra; (1 credit) Grade Method: REG.
Open by audition. Contact instructor to make arrangements.

0101	Michael Votta	Seats (Total: 50)	
	TuTh 3:30pm - 6:30pm	PAC 2540	Lab

MUSC229E **Ensemble; Symphonic Band**

MUSC229E Ensemble: Symphonic Band; (1 credit) Grade Method: REG.
Open by audition. Contact instructor to make arrangements.

0101	Lowell Sparks MWF 11:00am - 12:30pm	Seats (Total: 75) PAC 2540	 Lab

MUSC229J **Ensemble; Jazz**

MUSC229J *(PermReq)* **Ensemble: Jazz; (1 credit)** Grade Method: REG.
Audition required before permission of department will be granted. Contact instructor to make arrangements.

0101	Christopher Vadala MW 5:30pm - 7:15pm	Seats (Total: 25) PAC 1230	 Lab
0201	Christopher Vadala MW 1:00pm - 2:15pm	Seats (Total: 30) PAC 1230	 Lab
0301	Christopher Vadala M 7:30pm - 9:30pm	Seats (Total: 35) PAC 1230	 Lab

MUSC229P **Ensemble; Pep Band**

MUSC229P Ensemble: Pep Band; (1 credit) Grade Method: REG.

0101	Lowell Sparks Contact instructor or department for details.	Seats (Total: 150)

MUSC229R **Ensemble; Repertoire Orchestra**

MUSC229R *(PermReq)* **Ensemble: Repertoire Orchestra; (1 credit)** Grade Method: REG.
Audition required before permission of department will be granted. Contact instructor to make arrangements.

0101	James Ross MW 3:00pm - 5:00pm	Seats (Total: 50) PAC 1230	 Lab

MUSC229U **Ensemble; University Band**

MUSC229U Ensemble: University Band; (1 credit) Grade Method: REG.
Open by audition. Contact instructor to make arrangements.

0101	Elijah Osterloh W 7:30pm - 9:30pm	Seats (Total: 100) PAC 2540

MUSC229Z **Ensemble; Jazz Combo**

MUSC229Z *(PermReq)* **Ensemble: Jazz Combo; (1 credit)** Grade Method: REG.
Audition required before permission of department will be granted. Contact instructor to make arrangements.

0101	Gerard Kunkel Contact instructor or department for details.	Seats (Total: 5)
0201	Thomas Baldwin Contact instructor or department for details.	Seats (Total: 5)
0301	Timothy Powell Contact instructor or department for details.	Seats (Total: 10)
0401	Cynthia Elliott Contact instructor or department for details.	Seats (Total: 10)

MUSC230 **History of Music I**

MUSC230 *(PermReq)* **History of Music I; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: MUSC250 or equivalent; and permission of department. A historical study of western music from Corelli through Beethoven.

0101	Paul Covey MWF 2:00pm - 2:50pm	Seats (Total: 25) PAC 2164

MUSC251 **Advanced Theory of Music II**

MUSC251 *(PermReq)* **Advanced Theory of Music II; (4 credits)** Grade Method: REG/AUD.
Prerequisite: a grade of C or better in MUSC250. A continuation of MUSC250, concentrating on late nineteenth-century chromatic harmony and an introduction to twentieth-century melody and harmony. Emphasis on sight singing, ear training, analysis and compositional skills.

0101	Thomas DeLio	Seats (Total: 6)	
	TuThF 9:00am - 9:50am MW 9:00am - 9:50am	PAC 3168 PAC 3160	 Lab
0102	Thomas DeLio	Seats (Total: 6)	
	TuThF 9:00am - 9:50am MW 9:00am - 9:50am	PAC 3168 PAC 3164	 Lab
0201	Thomas DeLio	Seats (Total: 6)	
	TuThF 10:00am - 10:50am MW 10:00am - 10:50am	PAC 3168 PAC 3160	 Lab
0202	Thomas DeLio	Seats (Total: 6)	
	TuThF 10:00am - 10:50am MW 10:00am - 10:50am	PAC 3168 PAC 3164	 Lab
0301	Daniel Zimmerman	Seats (Total: 6)	
	TuThF 10:00am - 10:50am MW 9:00am - 9:50am	PAC 3160 PAC 3168	 Lab
0302	Daniel Zimmerman	Seats (Total: 6)	
	TuThF 10:00am - 10:50am MW 10:00am - 10:50am	PAC 3160 PAC 3168	 Lab

MUSC329A **Ensemble; University of Maryland Chorale**

MUSC329A *(PermReq)* **Ensemble: University of Maryland Chorale; (1 credit)**
Grade Method: REG.
Audition required before permission of department will be granted. Contact instructor to make arrangements.

0101	Edward Maclary	Seats (Total: 80)	
	MW 3:00pm - 3:50pm TuTh 3:30pm - 4:20pm	PAC 2201 PAC 2201	Lab Lab

MUSC329B **Ensemble; Chamber Singers**

MUSC329B *(PermReq)* **Ensemble: Chamber Singers; (1 credit)** Grade Method: REG.
ADD: Audition required before permission of department will be granted. Contact instructor to make arrangements.

0101	Edward Maclary	Seats (Total: 50)	
	TuTh 4:30pm - 5:45pm	PAC 2201	

MUSC329D **Ensemble; The Maryland Chorus**

MUSC329D *(PermReq)* **Ensemble: The Maryland Chorus; (1 credit)** Grade Method: REG.
Audition required before permission of department will be granted. Contact instructor to make arrangements.

0101	Edward Maclary	Seats (Total: 40)	
	Tu 7:30pm - 10:00pm Contact instructor or department for details.	PAC 2201	

MUSC329E **Ensemble; Gospel Choir**

MUSC329E Ensemble: Gospel Choir; (1 credit) Grade Method: REG.

0101	Anne Carswell	Seats (Total: 60)	
	Th 7:00pm - 10:00pm	PAC 2201	Lab

MUSC329M **Ensemble; Men's Chorus**

MUSC329M Ensemble: Men's Chorus; (1 credit) Grade Method: REG.

0101	Stephen Holmes	Seats (Total: 40)	
	MWF 12:00pm - 12:50pm	PAC 1230	

MUSC329O **Ensemble; Opera Chorus**

MUSC329O Ensemble: Opera Chorus; (1 credit) Grade Method: REG.

0101	Edward Maclary	Seats (Total: 30)	
	F 4:00pm - 6:00pm	PAC 2170	Lab

MUSC329W **Ensemble; Women's Chorus**

MUSC329W Ensemble: Women's Chorus; (1 credit) Grade Method: REG.

0101	Timothy Reno	Seats (Total: 60)
	MWF 12:00pm - 12:50pm	PAC 2201

MUSC330 **History of Music II**

MUSC330 *(PermReq)* **History of Music II; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: MUSC250 or equivalent; and permission of department. A historical study of western music from the Romantic era to the present.

0101	Olga Haldey	Seats (Total: 25)
	MWF 2:00pm - 2:50pm	PAC 3160

MUSC331 **History of Music III**

MUSC331 *(PermReq)* **History of Music III; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: MUSC230, MUSC330, and permission of department. A historical study of western music from Antiquity through the Baroque, ending with a review of all periods of music history.

0101	Barbara Haggh-Huglo	Seats (Total: 25)
	MWF 2:00pm - 2:50pm	PAC 3168

MUSC346 **Jazz Theory and Improvisation II**

MUSC346 *(PermReq)* **Jazz Theory and Improvisation II; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: MUSC345 or permission of department. Continuation of MUSC345 including scoring and transcription.

0101	Gerard Kunkel	Seats (Total: 5)
	Th 12:30pm - 3:00pm	PAC 1208

MUSC379 **Opera Workshop**

MUSC379 *(PermReq)* **Opera Workshop; (1 credit)** Grade Method: REG/P-F.

0101	Patrick Diamond MW 4:00pm - 6:00pm	Seats (Total: 15) PAC 2170

MUSC386 **Experiential Learning**

MUSC386 *(PermReq)* **Experiential Learning; (6 credits)** Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: permission of department. Junior standing.

Contact department for information to register for this course.

MUSC388 **Music Internship**

MUSC388 *(PermReq)* **Music Internship; (3 credits)** Grade Method: REG.

0101	Suzanne Beicken Contact instructor or department for details.	Seats (Total: 5)
0201	Edward Walters Contact instructor or department for details.	Seats (Total: 5)
0301	Edward Maclary Contact instructor or department for details.	Seats (Total: 5)

MUSC389 **Music Internship Analysis**

MUSC389 *(PermReq)* **Music Internship Analysis; (1 credit)** Grade Method: REG.

0101	Suzanne Beicken Contact instructor or department for details.	Seats (Total: 5)
0201	Edward Walters Contact instructor or department for details.	Seats (Total: 5)
0301	Edward Maclary Contact instructor or department for details.	Seats (Total: 5)

MUSC400V **Music Pedagogy**

MUSC400V *(PermReq)* **Music Pedagogy; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: MUSP315; and permission of department.

0101	Joy Stevans	Seats (Total: 25)
	TuTh 9:00am - 10:15am	PAC 2170

MUSC428 **Repertoire Coaching of Vocal or Chamber Music**

MUSC428 Repertoire Coaching of Vocal or Chamber Music; (2 credits) Grade Method: REG/P-F/AUD.

0101	Rita Sloan	Seats (Total: 10)
	Contact instructor or department for details.	

MUSC436 **Jazz: Then and Now**

MUSC436 Jazz: Then and Now; (3 credits) Grade Method: REG/P-F/AUD. Major styles and influential artists of the past 75 years of jazz.

0101	Richard Wexler	Seats (Total: 20)
	MW 3:00pm - 4:15pm	PAC 3160

MUSC444 **Wind and Percussion Literature**

MUSC444 *(PermReq)* **Wind and Percussion Literature; (1 credit)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: permission of department. Corequisite: MUSP419 or MUSP420. Recital program notes and written projects in wind or percussion literature.

Contact department for information to register for this course.

MUSC446 **String Literature**

MUSC446 *(PermReq)* **String Literature; (1 credit)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: MUSP316 and permission of department. Recital program notes and written projects in string literature.

Contact department for information to register for this course.

MUSC448 **Selected Topics in Music**

MUSC448 *(PermReq)* **Selected Topics in Music; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

MUSC448A **Selected Topics in Music; Music and Art: Mutual Influences**

MUSC448A Selected Topics in Music: Music and Art: Mutual Influences; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as MUSC699A.

0101	Shelley Davis	Seats (Total: 25)
	M 7:00pm - 9:30pm	PAC 3168

MUSC448B **Selected Topics in Music; Orchestral Excerpts for Bassists**

MUSC448B *(PermReq)* **Selected Topics in Music: Orchestral Excerpts for Bassists; (1 credit)** Grade Method: REG/P-F/AUD.
Prerequisite: permission of instructor.

0101	Robert Oppelt	Seats (Total: 15)
	Contact instructor or department for details.	

MUSC448F **Selected Topics in Music; Style Analysis**

MUSC448F *(PermReq)* **Selected Topics in Music: Style Analysis; (3 credits)** Grade Method: REG/P-F/AUD.
Also offered as MUSC699F.

0101	James Fry	Seats (Total: 15)
	TuTh 9:30am - 10:45am	PAC 2160

MUSC448K **Selected Topics in Music; Keyboard Skills for Vocalists**

MUSC448K Selected Topics in Music: Keyboard Skills for Vocalists; (1 credit) Grade Method: REG/P-F/AUD.

0101	Rita Sloan	Seats (Total: 10)
	Contact instructor or department for details.	

MUSC448M **Selected Topics in Music; Masterworks of the 20th Century: 1900-1950**

MUSC448M Selected Topics in Music: Masterworks of the 20th Century: 1900-1950; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as MUSC699M. For majors only.

0101	Mark Wilson	Seats (Total: 15)
	TuTh 2:00pm - 3:15pm	PAC 3164

MUSC448N **Selected Topics in Music; Jazz Arranging**

MUSC448N *(PermReq)* **Selected Topics in Music: Jazz Arranging; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: permission of instructor.

0101	Leigh Pilzer	Seats (Total: 4)
	Th 3:30pm - 6:00pm	PAC 2164

MUSC448O **Selected Topics in Music; Schumann and Romanticsim**

MUSC448O Selected Topics in Music: Schumann and Romanticsim; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as MUSC699O.

0101	Shelley Davis	Seats (Total: 15)
	Th 7:00pm - 9:30pm	PAC 3110A

MUSC448W **Selected Topics in Music; Instrumental Pedagogy**

MUSC448W Selected Topics in Music: Instrumental Pedagogy; (1 credit) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

MUSC450 **Musical Form**

MUSC450 *(PermReq)* **Musical Form; (3 credits)** Grade Method: REG/P-F/AUD. *Prerequisite: MUSC251.* A study of the principles of organization in music with emphasis on eighteenth and nineteenth century European music. Reading and analysis of scores exemplifying the musical forms.

0101	Daniel Zimmerman TuTh 2:00pm - 3:15pm	Seats (Total: 25) PAC 2168

MUSC463 **Applications in Music Technology**

MUSC463 *(PermReq)* **Applications in Music Technology; (3 credits)** Grade Method: REG/P-F/AUD.
A hands-on study of computer hardware and software that makes use of the MIDI (Musical Instrument Digital Interface) specification. This protocol allows computers, synthesizers and various other devices to send and receive information about musical performance, notation and sound. The course focuses on two of the most frequently used applications on MIDI -- sequencing and music notation. Also included is an introduction to digital audio. No previous experience with computers is required. Ability to read music on a grand staff (treble and bass clef) is recommended.

0101	Robert Collier Th 1:00pm - 3:30pm	Seats (Total: 16) PAC 1108

MUSC485 **Music in the 20th Century**

MUSC485 *(PermReq)* **Music in the 20th Century; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: permission of department. Survey of western music from 1900 to the present.

0101	Olga Haldey M 4:00pm - 6:30pm	Seats (Total: 25) PAC 2160

MUSC486 **Orchestration I**

MUSC486 *(PermReq)* **Orchestration I; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: MUSC251 and permission of department. A study of the ranges, musical functions and technical characteristics of the instruments and their color possibilities in various combinations. Practical experience in orchestrating for small and large ensembles.

0101	Mark Wilson TuTh 11:00am - 12:15pm	Seats (Total: 8) PAC 2168

MUSC490 **Conducting**

MUSC490 *(PermReq)* **Conducting; (2 credits)** Grade Method: REG.
Prerequisite: MUSC251. Vocal and instrumental baton techniques.

0101	Edward Maclary MWF 11:00am - 11:50am	Seats (Total: 12) PAC 2201
0201	Edward Maclary MWF 1:00pm - 1:50pm	Seats (Total: 12) PAC 2201

MUSC491 **Conducting II**

MUSC491 *(PermReq)* **Conducting II; (2 credits)** Grade Method: REG/AUD.
Prerequisite: MUSC490 or equivalent. Baton techniques applied to score reading, rehearsal techniques, tone production, style and interpretation. Concurrent registration in MUED472.

0101	Edward Maclary MW 9:00am - 9:50am	Seats (Total: 20) PAC 2201

MUSC499 **Independent Studies**

MUSC499 *(PermReq)* **Independent Studies; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

MUSC602 **Advanced Italian Lyric Diction**

MUSC602 *(PermReq)* **Advanced Italian Lyric Diction; (1 credit)** Grade Method: REG/AUD.
Prerequisite: admission to graduate voice program or permission of instructor. For music majors only. Concepts, strategies and techniques for singing operatic and song literature in Italian: syllabification, vowels, stressed and unstressed syllables, dipthongs, glides and elisions, single and double consonants with emphasis on current performance practices.

0101	Dominic Cossa Tu 10:30am - 12:00pm	Seats (Total: 15) PAC 1218

MUSC603 **Advanced German Lyric Diction**

MUSC603 Advanced German Lyric Diction; (1 credit) Grade Method: REG/AUD. *Prerequisite: admission to graduate voice program or permission of instructor. For music majors only.* Concepts, strategies and techniques for singing operatic and song literature in German: single and double consonants, the use of the glottal, the German closed (e) and (o) vowels, the "schwa" and consonant clusters. Mastery of the International Phonetic Alphabet (IPA) as it applies to "Hochdeutsch" will be expected.

0101	Francois Loup	Seats (Total: 15)
	Tu 10:30am - 12:00pm	PAC 2170

MUSC606 **Opera Repertory II**

MUSC606 Opera Repertory II; (1 credit) Grade Method: REG/AUD. *Prerequisite: MUSC 605 or permission of instructor. For MUSC majors only.* Continuation of MUSC 605. Advanced vocal coaching of selections from the Italian, French, German and English opera repertory: musical accuracy, language facility; diction clarity; and dramatic interpretation.

0101	Carmen Balthrop	Seats (Total: 10)
	Th 10:30am - 12:00pm	PAC 2170

MUSC608 **Chamber Music Repertory; Chamber Music Repertoire**

MUSC608 *(PermReq)* **Chamber Music Repertory: Chamber Music Repertoire; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

MUSC612 **Opera Techniques II**

MUSC612 *(PermReq)* **Opera Techniques II; (2 credits)** Grade Method: REG/AUD. *Prerequisites: MUSC 611 with a grade of B or better and permission of Director of Opera. Corequisite: MUSC 602. For MUSC majors only.* Continuation of MUSC 611. Techniques for opera performance: Scene Study II; Movement II; and Mask.

0101	Leon Major	Seats (Total: 20)	
	TBA	PAC 2170	
	TBA	PAC 1218	Lab

MUSC614 **Opera Techniques IV**

MUSC614 *(PermReq)* **Opera Techniques IV; (2 credits)** Grade Method: REG/AUD. *Prerequisites: MUSC 613 with a grade of B or better and permission of Director of Opera. Corequisites: MUSC 604 and MUSC 606. For MUSC majors only.*
Continuation of MUSC 613. Techniques for opera performance: Scene Study IV and Movement IV.

0101	Leon Major	Seats (Total: 20)	
	TBA	PAC 2170	
	TBA	PAC 1218	Lab

MUSC629A **Ensemble; Symphony Orchestra**

MUSC629A *(PermReq)* **Ensemble: Symphony Orchestra; (1 credit)** Grade Method: REG.
Audition required before permission of department will be granted. Contact instructor to make arrangements.

0101	James Ross	Seats (Total: 50)	
	TuTh 3:30pm - 6:30pm	PAC 1230	

MUSC629B **Ensemble; University of Maryland Brass Ensemble**

MUSC629B Ensemble: University of Maryland Brass Ensemble; (1 credit) Grade Method: REG.

0101	Brett Miller	Seats (Total: 10)	
	W 7:30pm - 10:00pm	PAC 1230	

MUSC629C **Ensemble; Symphonic Band**

MUSC629C Ensemble: Symphonic Band; (1 credit) Grade Method: REG.

0101	Lowell Sparks	Seats (Total: 20)	
	MWF 11:00am - 12:30pm	PAC 2540	

MUSC629D **Ensemble; African Drumming**

MUSC629D Ensemble: African Drumming; (1 credit) Grade Method: REG.

0101	Amadou Kouyate	Seats (Total: 4)	
	M 7:00pm - 8:30pm	PAC 2540	Lab

MUSC629E **Ensemble; Advanced African Drumming**

MUSC629E *(PermReq)* **Ensemble: Advanced African Drumming; (1 credit)** Grade Method: REG.
Prerequisite: Contact instructor to make arrangements.

0101	Mahiri Edwards	Seats (Total: 4)	
	W 7:00pm - 8:30pm	PAC 2201	Lab

MUSC629G **Ensemble; Balinese Gamelan**

MUSC629G *(PermReq)* **Ensemble: Balinese Gamelan; (1 credit)** Grade Method: REG.

0101	I Suadin	Seats (Total: 5)	
	Th 7:00pm - 8:30pm	PAC 1230	

MUSC629I **Ensemble; New Music Ensemble**

MUSC629I Ensemble: New Music Ensemble; (1 credit) Grade Method: REG.

0101	Mark Wilson	Seats (Total: 5)	
	Contact instructor or department for details.		

MUSC629J **Ensemble; Jazz Ensemble**

MUSC629J *(PermReq)* **Ensemble: Jazz Ensemble; (1 credit)** Grade Method: REG.
Audition required before permission of department will be granted. Contact instructor to make arrangements.

0101	Christopher Vadala MW 5:30pm - 7:15pm	Seats (Total: 20) PAC 1230
0201	Christopher Vadala MW 1:00pm - 2:15pm	Seats (Total: 10) PAC 1230
0301	Christopher Vadala M 7:30pm - 9:30pm	Seats (Total: 10) PAC 1230

MUSC629K **Ensemble; Japanese Koto**

MUSC629K *(PermReq)* **Ensemble: Japanese Koto; (1 credit)** Grade Method: REG.

0101	Kyoko Okamoto Tu 5:30pm - 7:00pm	Seats (Total: 2) PAC 3160

MUSC629L **Ensemble; Advanced Japanese Koto**

MUSC629L *(PermReq)* **Ensemble: Advanced Japanese Koto; (1 credit)** Grade Method: REG.
Prerequisite: Contact instructor to make arrangements.

0101	Kyoko Okamoto Tu 7:00pm - 8:30pm	Seats (Total: 4) PAC 3160

MUSC629M **Ensemble; Chamber Flute Choir**

MUSC629M Ensemble: Chamber Flute Choir; (1 credit) Grade Method: REG.

0101	William Montgomery TBA	Seats (Total: 6) PAC 1130C

MUSC629O **Ensemble; Tuba and Euphonium**

MUSC629O Ensemble: Tuba and Euphonium; (1 credit) Grade Method: REG.

0101	Paul Kellner Contact instructor or department for details.	Seats (Total: 10)

MUSC629P **Ensemble; Percussion Ensemble**

MUSC629P Ensemble: Percussion Ensemble; (1 credit) Grade Method: REG.

0101	Lee Hinkle	Seats (Total: 15)	
	F 3:30pm - 6:00pm	PAC 2540	Lab
	M 5:00pm - 6:30pm	PAC 2540	Lab

MUSC629Q **Ensemble; Korean Percussion Ensemble**

MUSC629Q Ensemble: Korean Percussion Ensemble; (1 credit) Grade Method: REG.

0101	Sebastian Wang	Seats (Total: 5)	
	Th 7:00pm - 8:30pm	PAC 2170	

MUSC629R **Ensemble; Repertoire Orchestra**

MUSC629R *(PermReq)* **Ensemble: Repertoire Orchestra; (1 credit)** Grade Method: REG.

Audition required before permission of department will be granted. Contact instructor to make arrangements.

0101	James Ross	Seats (Total: 10)	
	MW 3:00pm - 5:00pm	PAC 1230	Lab

MUSC629S **Ensemble; Saxophone Ensemble**

MUSC629S Ensemble: Saxophone Ensemble; (1 credit) Grade Method: REG.

0101	Dale Underwood	Seats (Total: 10)	
	Tu 7:30pm - 9:30pm	PAC 2126	Lab

MUSC629T **Ensemble; Trombone Ensemble**

MUSC629T Ensemble: Trombone Ensemble; (1 credit) Grade Method: REG.

0101	John Huling	Seats (Total: 10)
	Contact instructor or department for details.	

MUSC629U **Ensemble; University Band**

MUSC629U Ensemble: University Band; (1 credit) Grade Method: REG.
Open by audition. Contact instructor to make arrangements.

0101	Elijah Osterloh W 7:30pm - 9:30pm	Seats (Total: 10) PAC 2540

MUSC629W **Ensemble; Wind Orchestra**

MUSC629W Ensemble: Wind Orchestra; (1 credit) Grade Method: REG.
Open by audition. Contact instructor to make arrangements.

0101	Michael Votta TuTh 3:30pm - 6:30pm	Seats (Total: 30) PAC 2540

MUSC629Z **Ensemble; Jazz Combo**

MUSC629Z Ensemble: Jazz Combo; (1 credit) Grade Method: REG.
Audition required before permission of department will be granted. Contact instructor to make arrangements.

0101	Gerard Kunkel Contact instructor or department for details.	Seats (Total: 5)
0201	Thomas Baldwin Contact instructor or department for details.	Seats (Total: 5)
0301	Timothy Powell Contact instructor or department for details.	Seats (Total: 5)
0401	Cynthia Elliott Contact instructor or department for details.	Seats (Total: 5)

MUSC642 **Early Music Notation**

MUSC642 Early Music Notation; (3 credits) Grade Method: REG/AUD.
Aspects of notation in music before 1600; transcription into modern notation.

0101	Barbara Haggh-Huglo MW 10:00am - 11:15am	Seats (Total: 15) PAC 3110A

MUSC644 **Seminar in Solo Vocal Literature II**

MUSC644 Seminar in Solo Vocal Literature II; (3 credits) Grade Method: REG/AUD.
Prerequisite: MUSC 643 or equivalent. A continuation of MUSC 643 with an emphasis on areas of individual interest.

0101	Linda Mabbs, Robert McReynolds	Seats (Total: 15)	
	W 3:00pm - 5:30pm	PAC 2200	

MUSC645 **Seminar in Vocal Pedagogy**

MUSC645 *(PermReq)* **Seminar in Vocal Pedagogy; (3 credits)** Grade Method: REG/AUD.
Prerequisite: MUSC 400 or equivalent. A study of the physiological, psychological and acoustical aspects of the teaching of singing combined with independent study and research in areas of individual interest. Advanced special students require department authorization.

0101	Martha Randall	Seats (Total: 15)	
	MW 9:30am - 10:45am	PAC 2164	

MUSC649A **Ensemble; University of Maryland Chorale**

MUSC649A *(PermReq)* **Ensemble: University of Maryland Chorale; (1 credit)** Grade Method: REG.
Audition required before permission of department will be granted. Contact instructor to make arrangements.

0101	Edward Maclary	Seats (Total: 10)	
	MW 3:00pm - 3:50pm	PAC 2201	Lab
	TuTh 3:30pm - 4:20pm	PAC 2201	Lab

MUSC649B **Ensemble; Chamber Singers**

MUSC649B *(PermReq)* **Ensemble: Chamber Singers; (1 credit)** Grade Method: REG.
Audition required before permission of department will be granted. Contact instructor to make arrangements.

0101	Edward Maclary TuTh 4:30pm - 5:45pm	Seats (Total: 10) PAC 2201	

MUSC649D **Ensemble; The Maryland Chorus**

MUSC649D *(PermReq)* **Ensemble: The Maryland Chorus; (1 credit)** Grade Method: REG.
Audition required before permission of department will be granted. Contact instructor to make arrangements.

0101	Edward Maclary Tu 7:30pm - 10:00pm Contact instructor or department for details.	Seats (Total: 10) PAC 2201	

MUSC649E **Ensemble; Gospel Choir**

MUSC649E Ensemble: Gospel Choir; (1 credit) Grade Method: REG.

0101	Anne Carswell Th 7:00pm - 10:00pm	Seats (Total: 10) PAC 2201	Lab

MUSC649M **Ensemble; Men's Chorus**

MUSC649M Ensemble: Men's Chorus; (1 credit) Grade Method: REG.

0101	Stephen Holmes MWF 12:00pm - 12:50pm	Seats (Total: 10) PAC 1230	

MUSC649O **Ensemble; Opera Chorus**

MUSC649O Ensemble: Opera Chorus; (1 credit) Grade Method: REG.

0101	Edward Maclary F 4:00pm - 6:00pm	Seats (Total: 10) PAC 2170	Lab

MUSC649W **Ensemble; Women's Chorus**

MUSC649W Ensemble: Women's Chorus; (1 credit) Grade Method: REG.

0101	Timothy Reno MWF 12:00pm - 12:50pm	Seats (Total: 10) PAC 2201	

MUSC659 **Seminar in Choral Repertoire and Pedagogy**

MUSC659 Seminar in Choral Repertoire and Pedagogy; (2-3 credits) Grade Method: REG/AUD.

0101	Edward Maclary TuTh 2:00pm - 2:50pm	Seats (Total: 6) PAC 2201	Lab

MUSC670 **Advanced Analytical Techniques I**

MUSC670 Advanced Analytical Techniques I; (3 credits) Grade Method: REG/AUD.
Prerequisite: MUSC 451 or permission of department. Analysis of representative masterpieces of the eighteenth and early nineteenth centuries.

0101	Lawrence Moss W 5:30pm - 8:00pm	Seats (Total: 12) PAC 2160

MUSC689 **Advanced Conducting**

MUSC689 *(PermReq)* **Advanced Conducting; (3 credits)** Grade Method: REG/AUD. Advanced special students require department authorization. Limited to conducting majors only.

0101	Edward Maclary Contact instructor or department for details. Contact instructor or department for details.	Seats (Total: 15)
0201	James Ross M 3:00pm - 5:00pm F 3:00pm - 5:00pm	Seats (Total: 10) PAC 3168 PAC 1230
0301	Michael Votta Tu 7:00pm - 9:30pm	Seats (Total: 10) PAC 3168

MUSC699 **Selected Topics in Music**

MUSC699 *(PermReq)* **Selected Topics in Music; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

MUSC699A **Selected Topics in Music; Music and Art: Mutual Influences**

MUSC699A Selected Topics in Music: Music and Art: Mutual Influences; (3 credits) Grade Method: REG/AUD.
Also offered as MUSC448A.

0101	Shelley Davis	Seats (Total: 25)
	M 7:00pm - 9:30pm	PAC 3168

MUSC699B **Selected Topics in Music; Orchestral Excerpts for Bassists**

MUSC699B *(PermReq)* **Selected Topics in Music: Orchestral Excerpts for Bassists; (1 credit)** Grade Method: REG/AUD.
Prerequisite: permission of instructor.

0101	Robert Oppelt	Seats (Total: 15)
	Contact instructor or department for details.	

MUSC699F **Selected Topics in Music; Style Analysis**

MUSC699F *(PermReq)* **Selected Topics in Music: Style Analysis; (3 credits)** Grade Method: REG/AUD.
Also offered as MUSC448F.

0101	James Fry	Seats (Total: 15)
	TuTh 9:30am - 10:45am	PAC 2160

MUSC699M **Selected Topics in Music; Masterworks of the 20th Century:1900-1950**

MUSC699M Selected Topics in Music: Masterworks of the 20th Century:1900-1950; (3 credits) Grade Method: REG/AUD.
Also offered as MUSC448M. For majors only.

0101	Mark Wilson	Seats (Total: 15)
	TuTh 2:00pm - 3:15pm	PAC 3164

MUSC699N **Selected Topics in Music; Jazz Arranging**

MUSC699N *(PermReq)* **Selected Topics in Music: Jazz Arranging; (3 credits)**
Grade Method: REG/AUD.
Prerequisite: permission of instructor.

0101	Leigh Pilzer	Seats (Total: 8)
	Th 3:30pm - 6:00pm	PAC 2164

MUSC699O **Selected Topics in Music; Schumann and Romanticism**

MUSC699O Selected Topics in Music: Schumann and Romanticism; (3 credits)
Grade Method: REG/AUD.
Also offered as MUSC448O.

0101	Shelley Davis	Seats (Total: 15)
	Th 7:00pm - 9:30pm	PAC 3110A

MUSC699T **Selected Topics in Music; Theories of Rhythm**

MUSC699T Selected Topics in Music: Theories of Rhythm; (3 credits) Grade Method: REG/AUD.

0101	Dora Hanninen	Seats (Total: 15)
	F 1:00pm - 3:30pm	PAC 2168

MUSC699Y **Selected Topics in Music; The Music of Ellington, Monk and Mingus**

MUSC699Y Selected Topics in Music: The Music of Ellington, Monk and Mingus; (3 credits) Grade Method: REG/AUD.

0101	Richard Wexler	Seats (Total: 12)
	Tu 7:00pm - 9:30pm	PAC 3110A

MUSC699Z **Selected Topics in Music; Jazz Theory and Improvisation II**

MUSC699Z Selected Topics in Music: Jazz Theory and Improvisation II; (3 credits) Grade Method: REG/AUD.

0101	Gerard Kunkel Th 12:30pm - 3:00pm	Seats (Total: 5) PAC 1208

MUSC799 **Master's Thesis Research**

MUSC799 *(PermReq)* **Master's Thesis Research; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

MUSC800A **Advanced Seminar in Music Pedagogy**

MUSC800A Advanced Seminar in Music Pedagogy; (3 credits) Grade Method: REG/AUD.
Prerequisites: MUSC 400 or equivalent, doctoral standing and permission of instructor.

0101	Robert McReynolds, Linda Mabbs W 3:00pm - 5:30pm	Seats (Total: 5) PAC 2200

MUSC801S **Advanced Seminar in Music Pedagogy**

MUSC801S Advanced Seminar in Music Pedagogy; (3 credits) Grade Method: REG/AUD.
Prerequisites: MUSC 400 or equivalent, doctoral standing and permission of instructor.

0101	Gerald Fischbach M 9:00am - 12:00pm	Seats (Total: 20) PAC 2126

MUSC801W **Advanced Seminar in Music Pedagogy**

MUSC801W Advanced Seminar in Music Pedagogy; (3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisites: MUSC 400 or equivalent, doctoral standing and permission of instructor.

Contact department for information to register for this course.

MUSC831A **Doctoral Seminar in Music Literature**

MUSC831A Doctoral Seminar in Music Literature; (3 credits) Grade Method: REG/AUD.

Prerequisite: MUSC 830 or permission of instructor.

0101	Rita Sloan	Seats (Total: 10)
	Th 10:00am - 12:30pm	PAC 2126

MUSC831P **Doctoral Seminar in Music Literature**

MUSC831P Doctoral Seminar in Music Literature; (3 credits) Grade Method: REG/AUD.

Prerequisite: MUSC 830 or permission of instructor.

0101	Bradford Gowen	Seats (Total: 10)
	W 10:00am - 12:30pm	PAC 2160

MUSC831V **Doctoral Seminar in Music Literature**

MUSC831V Doctoral Seminar in Music Literature; (3 credits) Grade Method: REG/AUD.

Prerequisite: MUSC 830 or permission of instructor.

0101	Linda Mabbs, Robert McReynolds	Seats (Total: 15)
	W 3:00pm - 5:30pm	PAC 2200

MUSC831W **Doctoral Seminar in Music Literature**

MUSC831W Doctoral Seminar in Music Literature; (3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Prerequisite: MUSC 830 or permission of instructor.

Contact department for information to register for this course.

MUSC878 **Advanced Composition**

MUSC878 *(PermReq)* **Advanced Composition; (3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

MUSC898 **Pre-Candidacy Research**

MUSC898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

MUSC899 **Doctoral Dissertation Research**

MUSC899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

NACS Neuroscience & Cognitive Science Spring 2009

NACS600 **Ethics in Scientific Research**

NACS600 *(PermReq)* **Ethics in Scientific Research; (2 credits)** Grade Method: REG/AUD.
Prerequisite: Completion of one year of graduate study. Corequisite: Permission of instructor. For NACS majors only. Also offered as PSYC788B. Credit will be granted for only one of the following: ZOOL600, NACS728F, PSYC788B, BIOL600. Formerly NACS728F. Issues of scientific integrity with emphasis on investigators in the laboratory sciences, including mentoring, scientific record keeping, authorship and peer review, ownership of data, use of animals and humans in research, and conflict of interest. Also offered as PSYC788B and BIOL600.

0101	Arthur Popper, Philip DeShong W 3:00pm - 5:00pm	Seats (Total: 16) BPS 2249
0201	Jane Clark, Robert Dooling W 3:00pm - 5:00pm	Seats (Total: 16) BPS 1142

NACS608 **Neuroscience and Cognitive Science Seminar**

NACS608 Neuroscience and Cognitive Science Seminar; (1-2 credits) Grade Method: REG.

0101	Ricardo Araneda F 10:15am - 11:15am	Seats (Total: 20) BPS 1103

NACS642 **Cognitive and Computational Neuroscience**

NACS642 Cognitive and Computational Neuroscience; (4 credits) Grade Method: REG/AUD.
Prerequisite: NACS 641 or permission of instructor. A study of the fundamental concepts and techniques of cognitive and computation nueroscience. Recurring themes in the field such as face recognition, learning, and language are examined.

0101	David Poeppel, Thomas Carlson MW 10:00am - 12:00pm	Seats (Total: 15) BPS 1124

NACS643 **Computational Neuroscience**

NACS643 Computational Neuroscience; (4 credits) Grade Method: REG/AUD.
Prerequisite: NACS641 and calculus or permission of instructor. Credit will be granted for only one of the following: NACS643 or NACS728N. Formerly NACS728N. Provides a mathematical foundation in computational neuroscience.

0101	Jonathan Simon MW 1:00pm - 2:50pm	Seats (Total: 15) EGR 3111

NACS644 **Cellular and Molecular Neuroscience**

NACS644 Cellular and Molecular Neuroscience; (4 credits) Grade Method: REG/AUD.
Prerequisite: NACS641 or permission of instructor. For NACS majors only. Credit will be granted for only one of the following: NACS644 or NACS728Z. Overview of insights into the molecular mechanisms underlying the structure and function of the nervous system.

0101	Elizabeth Quinlan TuTh 3:30pm - 5:30pm	Seats (Total: 20) BPS 1230

NACS728K **Selected Topics in Neuroscience and Cognitive Science; Advanced Seminar in Neurological Basis of Human Communication**

NACS728K *(PermReq)* **Selected Topics in Neuroscience and Cognitive Science: Advanced Seminar in Neurological Basis of Human Communication; (3 credits)** Grade Method: REG/AUD.
Also offered as HESP422 and HESP602.

0101	Yasmeen Shah Tu 1:00pm - 3:30pm	Seats (Total: 35) SKN 0104	

NACS728Q **Selected Topics in Neuroscience and Cognitive Science; Biological Bases of Behavior Laboratory**

NACS728Q *(PermReq)* **Selected Topics in Neuroscience and Cognitive Science: Biological Bases of Behavior Laboratory; (4 credits)** Grade Method: REG/AUD.

0101	David Yager MW 9:00am - 9:50am M 1:00pm - 5:00pm	Seats (Total: 6) BPS 1236 BPS 0263	Lab
0201	David Yager MW 9:00am - 9:50am Tu 1:00pm - 5:00pm	Seats (Total: 6) BPS 1236 BPS 0263	Lab
0301	David Yager MW 9:00am - 9:50am W 1:00pm - 5:00pm	Seats (Total: 6) BPS 1236 BPS 0263	Lab
0401	David Yager MW 9:00am - 9:50am Th 1:00pm - 5:00pm	Seats (Total: 6) BPS 1236 BPS 0263	Lab

NACS898 **Pre-Candidacy Research**

NACS898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

NACS899 **Doctoral Dissertation Research**

NACS899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

NFSC Nutrition and Food Science Spring 2009

NFSC100 **Elements of Nutrition**

The following courses may involve the use of animals. Students who are concerned about the use of animals in teaching have the responsibility to contact the instructor, prior to course enrollment, to determine whether animals are to be used in the course, whether class exercises involving animals are optional or required and what alternatives, if any, are available.

NFSC100 Elements of Nutrition; (3 credits) Grade Method: REG/P-F/AUD. CORE Life Science (LS) Course.

Fundamentals of human nutrition. Nutrient requirements related to changing individual and family needs.

0101	Robert Jackson MW 11:00am - 11:50am W 3:00pm - 3:50pm	Seats (Total: 25) TYD 0130 TLF 1101	Discussion
0102	Robert Jackson MW 11:00am - 11:50am W 2:00pm - 2:50pm	Seats (Total: 25) TYD 0130 TLF 1101	Discussion
0103	Robert Jackson MW 11:00am - 11:50am Tu 4:00pm - 4:50pm	Seats (Total: 25) TYD 0130 MMH 1304	Discussion
0104	Robert Jackson MW 11:00am - 11:50am Th 12:30pm - 1:45pm	Seats (Total: 25) TYD 0130 BPS 1232	Discussion
0105	Robert Jackson MW 11:00am - 11:50am F 11:00am - 11:50am	Seats (Total: 25) TYD 0130 SKN 1112	Discussion

0106	Robert Jackson MW 11:00am - 11:50am W 2:00pm - 2:50pm	Seats (Total: 25) TYD 0130 LEF 1220	Discussion
0107	Robert Jackson MW 11:00am - 11:50am Th 5:00pm - 5:50pm	Seats (Total: 25) TYD 0130 MMH 1304	Discussion
0108	Robert Jackson MW 11:00am - 11:50am W 12:00pm - 12:50pm *Section 0108 is recommended for majors only.*	Seats (Total: 25) TYD 0130 MMH 3418	Discussion
0109	Robert Jackson MW 11:00am - 11:50am W 4:00pm - 4:50pm	Seats (Total: 25) TYD 0130 WDS 1130	Discussion
0110	Robert Jackson MW 11:00am - 11:50am W 1:00pm - 1:50pm	Seats (Total: 25) TYD 0130 PLS 1146	Discussion
0111	Robert Jackson MW 11:00am - 11:50am Tu 2:00pm - 2:50pm	Seats (Total: 25) TYD 0130 HBK 1112	Discussion
0112	Robert Jackson MW 11:00am - 11:50am Tu 5:00pm - 5:50pm	Seats (Total: 25) TYD 0130 MMH 1304	Discussion
0113	Robert Jackson MW 11:00am - 11:50am Th 2:00pm - 2:50pm	Seats (Total: 25) TYD 0130 TLF 1103	Discussion
0114	Robert Jackson MW 11:00am - 11:50am Th 9:30am - 10:20am	Seats (Total: 25) TYD 0130 BPS 1234	Discussion
0115	Robert Jackson MW 11:00am - 11:50am Th 3:00pm - 3:50pm	Seats (Total: 25) TYD 0130 TLF 1101	Discussion

0116	Robert Jackson MW 11:00am - 11:50am Tu 3:00pm - 3:50pm	Seats (Total: 25) TYD 0130 ARM 0120	Discussion
0117	Robert Jackson MW 11:00am - 11:50am W 10:00am - 10:50am	Seats (Total: 25) TYD 0130 TYD 0102	Discussion
0118	Robert Jackson MW 11:00am - 11:50am W 9:00am - 9:50am	Seats (Total: 25) TYD 0130 ARM 0103	Discussion

NFSC250 **Science of Food**

NFSC250 Science of Food; (4 credits) Grade Method: REG/P-F/AUD.
Prerequisites: NFSC112; and CHEM103; and CHEM113; permission of department. For NFSC majors only. Composition and structure of food with emphasis on chemical, physical, and biological properties, as well as quality characteristics of food products. Food preparation lab with emphasis on the experimental study of food.

0101	Ana Aguado Tu 4:00pm - 6:30pm Th 3:30pm - 6:30pm	Seats (Total: 20) KEY 0102 MMH 3401	Lab
0102	Ana Aguado Tu 4:00pm - 6:30pm W 3:30pm - 6:30pm	Seats (Total: 20) KEY 0102 MMH 3401	Lab

NFSC315 **Nutrition During the Life Cycle**

NFSC315 Nutrition During the Life Cycle; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: NFSC100 or NFSC200. Formerly NUTR315. A study of how development throughout life, including prenatal development, pregnancy, lactation, adolescence and aging, alter nutrient requirements. Students will apply this knowledge to the dietary needs and food choices of these different groups.

0101	Robert Jackson TuTh 2:00pm - 3:15pm	Seats (Total: 101) JMP 3201	

NFSC350 **Foodservice Operations**

NFSC350 Foodservice Operations; (5 credits) Grade Method: REG.
Prerequisite: NFSC250. Pre- or corequisite: BSCI223. Corequisite: BMGT364. For Dietetics majors only. Introduction to management. Responsibilities in quantity food production and purchasing in a foodservice operation. Laboratory experience in planning, preparation, and service of meals which meet the nutritional needs of the consumer.

0101	Virginia Hartmuller	Seats (Total: 12)	
	TuTh 2:00pm - 3:15pm	SKN 0101	
	Tu 8:30am - 11:30am	MMH 3108	Lab

NFSC386 **Experiential Learning**

NFSC386 *(PermReq)* **Experiential Learning; (3-6 credits)** Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: permission of department. Formerly FDSC386 and NUTR386. Junior standing.

Contact department for information to register for this course.

NFSC398 **Seminar**

NFSC398 Seminar; (1 credit) Grade Method: REG.
FDSC majors only.

0101	Mark Kantor	Seats (Total: 15)
	Th 9:30am - 10:45am	SKN 0101

NFSC399 **Special Problems in Food Science**

NFSC399 *(PermReq)* **Special Problems in Food Science; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

NFSC410 **Nutritional Genomics**

NFSC410 Nutritional Genomics; (3 credits) Grade Method: REG/AUD. *Prerequisite: NFSC440 or permission of department.* The emerging discipline of nutritional genomics, also known as nutrigenomics, is the study of effects of diet on the activity of an individual's genes and health, and the study of how different genetic variations affect nutrient metabolism. This course is designed to acquaint the students with current concepts, knowledge and strategies for understanding nutritional genomics.

0101	Wen Hsing Cheng	Seats (Total: 20)
	Th 11:00am - 1:45pm	SKN 0101

NFSC412 **Food Processing Technology**

NFSC412 Food Processing Technology; (4 credits) Grade Method: REG/P-F/AUD. *Prerequisites: CHEM241/CHEM242; NFSC414; NFSC431; and NFSC434. Corequisites: NFSC421 and NFSC423. Recommended: MATH220.* Provides in-depth study of the major industrial modes of food preservation. It integrates aspects of the biology, microbiology, biochemistry and engineering disciplines as they relate to food processing technology and food science. Also offered as NFSC678F.

0101	Yangming Lo	Seats (Total: 24)	
	MW 10:00am - 10:50am	MMH 0108	
	M 1:00pm - 5:30pm	Location: TBA	Lab

NFSC430 **Food Microbiology**

NFSC430 Food Microbiology; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: BSCI233 or equivalent. Also offered as ANSC430. Credit will be granted for only one of the following: ANSC430. Formerly FDSC430.* A study of microorganisms of major importance to the food industry with emphasis on food-borne outbreaks, public health significance, bioprocessing of foods, disease control, and the microbial spoilage of foods.

0101	Keith Lampel	Seats (Total: 30)
	TuTh 11:00am - 12:15pm	EGR 2154

NFSC431 **Food Quality Control**

NFSC431 Food Quality Control; (4 credits) Grade Method: REG/P-F/AUD. Definition and organization of the quality control function in the food industry; preparation of specifications; statistical methods for acceptance sampling; in-plant and processed product inspection. Instrumental and sensory methods for evaluating sensory quality, identity and wholesomeness and their integration into grades and standards of quality. Statistical Process Control (SPC).

0101	Robert Post	Seats (Total: 20)	
	MW 5:30pm - 7:00pm F 4:00pm - 7:00pm	SKN 0101 MMH 3419	Lab

NFSC450 **Food and Nutrient Analysis**

NFSC450 Food and Nutrient Analysis; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisites: NFSC100 or NFSC200; and BCHM461. Formerly NUTR450.* Methods and practices of the analysis of foods and nutrients. An overview of the principles and basic mechanisms used in many of the analytical procedures commonly used in food and nutrition research. Emphasis will be placed on hands-on development of skills necessary to complete each analytical procedure; and on the accurate and concise description of the methodology and results from their application and on the regulations governing food analysis for nutritional labeling.

0101	Thomas Castonguay	Seats (Total: 13)	
	W 12:00pm - 12:50pm W 1:00pm - 4:00pm	MMH 3419 MMH 3419	Lab

NFSC460 **Medical Nutrition Therapy**

NFSC460 *(PermReq)* **Medical Nutrition Therapy; (4 credits)** Grade Method: REG/P-F/AUD.
Prerequisites: NFSC380 and NFSC440. Formerly NUTR460. Modifications of the normal adequate diet to meet human nutritional needs in acute and chronic diseases and metabolic disorders.

0101	Nancy Katz	Seats (Total: 17)	
	MW 1:00pm - 2:15pm M 2:30pm - 5:30pm	PLS 1119 MMH 1304	Lab

0102	Nancy Katz	Seats (Total: 17)	
	MW 1:00pm - 2:15pm	PLS 1119	
	W 2:30pm - 5:30pm	MMH 1304	Lab

NFSC470 **Community Nutrition**

NFSC470 Community Nutrition; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisites: NFSC100 or NFSC200; and NFSC315. Formerly NUTR470.
Perspectives underlying the practice of nutrition services in community settings. Assessment of needs, program planning and evaluation. Programs and strategies to meet nutrition needs outside the acute care setting, such as nutrition education and food assistance. National nutrition policy and federal initiatives in nutrition will be examined. Students will be required to travel to local community nutrition sites during the semester.

0101	Nadine Sahyoun	Seats (Total: 30)	
	MW 11:00am - 11:50am	MMH 0108	
	F 10:00am - 12:00pm	MMH 3112	Discussion

NFSC490 **Special Problems in Nutrition**

NFSC490 *(PermReq)* **Special Problems in Nutrition; (2-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisites: NFSC440 and permission of department. Individually selected problems in the area of human nutrition.

Contact department for information to register for this course.

NFSC491 **Issues and Problems in Dietetics**

NFSC491 Issues and Problems in Dietetics; (3 credits) Grade Method: REG/P-F/AUD. CORE Capstone (CS) Course.
Prerequisite: NFSC350 and permission of department. Corequisite: NFSC460. Senior standing. For DIET majors only. A capstone course for dietetics majors. Students will integrate knowledge and theory of nutrition, food, management, psychology, and social behaviors necessary to support quality dietetic practice. Working in teams, students will participate in case studies, simulated situations and community projects. Individuals and groups will present cases as well as papers on published research.

0101	Nancy Katz MW 8:30am - 10:50am	Seats (Total: 25) SKN 0101

NFSC498 **Selected Topics**

NFSC498 *(PermReq)* **Selected Topics; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

NFSC498A **Selected Topics; Individual Study**

NFSC498A *(PermReq)* **Selected Topics: Individual Study; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

NFSC631 **Advanced Food Microbiology**

NFSC631 Advanced Food Microbiology; (3 credits) Grade Method: REG. *Prerequisite: NFSC430 or permission of instructor. Formerly FDSC631.* One lecture and one laboratory period a week. An in-depth understanding and working knowledge of a selected number of problem areas and contemporary topics in food microbiology.

0101	Keith Lampel Th 5:00pm - 7:45pm	Seats (Total: 15) SKN 0101

NFSC678A **Selected Topics in Nutrition**

NFSC678A Selected Topics in Nutrition; (1-4 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

NFSC678C **Selected Topics in Nutrition; Nutritional Genomics**

NFSC678C Selected Topics in Nutrition: Nutritional Genomics; (3 credits) Grade Method: REG/AUD.

0101	Wen Hsing Cheng	Seats (Total: 20)
	Th 11:00am - 1:45pm	SKN 0101

NFSC678F **Selected Topics in Nutrition; Food Processing Technology**

NFSC678F Selected Topics in Nutrition: Food Processing Technology; (4 credits) Grade Method: REG/AUD.
Also offered as NFSC412.

0101	Yangming Lo	Seats (Total: 24)	
	MW 10:00am - 10:50am	MMH 0108	
	M 1:00pm - 5:30pm	Location: TBA	Lab

NFSC688 **Seminar in Nutrition**

NFSC688 Seminar in Nutrition: Seminar in Nutrition; (1-3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

NFSC689 **Seminar in Food Science**

NFSC689 Seminar in Food Science; (1-3 credits) Grade Method: REG/AUD.

0101	Mickey Parish	Seats (Total: 20)
	M 11:00am - 11:50am	SKN 0101

NFSC699 **Problems in Nutrition and Food Science**

NFSC699 *(PermReq)* **Problems in Nutrition and Food Science; (1-4 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

NFSC799 **Master's Thesis Research**

NFSC799 Master's Thesis Research; (1-6 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

NFSC888 **Doctoral Seminar; Doctoral Seminar**

NFSC888 Doctoral Seminar: Doctoral Seminar; (1 credit) Grade Method: REG/AUD.

0101	Mark Kantor	Seats (Total: 15)
	Th 4:00pm - 4:50pm	SKN 0101

NFSC898 **Pre-Candidacy Research**

NFSC898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

NFSC899 **Doctoral Dissertation Research**

NFSC899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

PERS Persian Spring 2009

PERS102 **Elementary Persian II**

PERS102 Elementary Persian II; (4 credits) Grade Method: REG/P-F.
Not open to native/fluent speakers of Persian. Prerequisite: PERS101 or equivalent. Credit will be granted for only one of the following: PERS102 or FOLA139K. Formerly FOLA139K. Continuation of PERS101 with emphasis on the use of formal language, vocabulary building, and reading.

0101	Mohamad Esmaili	Seats (Total: 20)
	MTuWF 10:00am - 10:50am	JMZ 1117

PERS202 **Intermediate Persian II**

PERS202 Intermediate Persian II; (3 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course.
Not open to native/fluent speakers of Persian. Prerequisite: PERS201 or equivalent. Further development of speaking, writing, listening and cultural knowledge, with special focus on culture.

0101	Mohamad Esmaili	Seats (Total: 15)
	MWF 11:00am - 11:50am	JMZ 3120

PERS212 **Intermediate Reading in Persian**

PERS212 Intermediate Reading in Persian; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: PERS201 and PERS211 or permission of instructor. Corequisite: PERS202 or permission of instructor. Focus on linguistic skill specific to reading; introduction to written traditions of Persian.

0101	Mohamad Esmaili	Seats (Total: 15)
	MWF 12:00pm - 12:50pm	JMZ 3122

PERS251 **Modern Iran**

PERS251 Modern Iran; (3 credits) Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course. CORE Diversity (D) Course.
General sociopolitical introduction to modern Iran from establishment of the Qajar dynasty in the late 18th century to the present day. Taught in English.

0101	Ahmad Moussavi	Seats (Total: 35)
	MWF 1:00pm - 1:50pm	HBK 0109

PERS302 **Advanced Persian II**

PERS302 Advanced Persian II; (3 credits) Grade Method: REG/P-F/AUD.
Not open to fluent/native speakers of Persian. Prerequisite: PERS301 or equivalent. Further development of speaking, reading, writing, listening and cultural knowledge, with special focus on reading, in a variety of literary genres.

0101	Ali Abasi	Seats (Total: 15)
	MWF 1:00pm - 1:50pm	JMZ 0205

PERS353 **Iranian Life in Literature and Film**

PERS353 Iranian Life in Literature and Film; (3 credits) Grade Method: REG/P-F/AUD. CORE Diversity (D) Course.
Treats major themes in modern literature and life of Iranians. Topics examined include Iranian identity, religious traditions, modern life, and expatriate communities. In English.

0101	Ahmad Karimi-Hakkak	Seats (Total: 35)
	TuTh 2:00pm - 3:15pm	JMZ 0205

PERS399 **Directed Study in Persian**

PERS399 Directed Study in Persian; (1-3 credits) Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

PERS441 **Islam in Iran**

PERS441 Islam in Iran; (3 credits) Grade Method: REG/P-F/AUD. CORE Diversity (D) Course.
Advent and development of Islamic culture in Iran. In English.

0101	Ahmad Moussavi	Seats (Total: 35)
	MWF 3:00pm - 3:50pm	HBK 1112

PERS452 **Modern Persian Literature: A Survey**

PERS452 Modern Persian Literature: A Survey; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: permission of department. Surveys development of poetry and prose in the Persian-speaking world in modern times. Periods and genres. Content varies. Mastery of Persian is required.

0101	Ahmad Karimi-Hakkak	Seats (Total: 20)
	TuTh 3:30pm - 4:45pm	JMZ 1103

PERS601 **Modern Persian Literature**

Contact department for information to register for this course.

PERS632 **Film and Popular Culture in the Persian-speaking World**
Contact department for information to register for this course.

PERS642 **Political Issues in Contemporary Iran**
Contact department for information to register for this course.

PERS672 **Persian Culture and Commerce**
Contact department for information to register for this course.

PERS689 **Special Topics in Persian Studies; Iranian Literature and Culture**
Contact department for information to register for this course.

PERS689B **Special Topics in Persian Studies**
Contact department for information to register for this course.

PERS689C **Special Topics in Persian Studies**
Contact department for information to register for this course.

PHIL Philosophy Spring 2009

PHIL100 **Introduction to Philosophy**

PHIL100 Introduction to Philosophy; (3 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course.
An introduction to the literature, problems, and methods of philosophy either through a study of some of the main figures in philosophic thought or through an examination of some of the central and recurring problems of philosophy.

0101	Daniel Blair TuTh 11:00am - 11:50am F 10:00am - 10:50am	Seats (Total: 24) EGR 1202 TYD 2110	 Discussion
0102	Daniel Blair TuTh 11:00am - 11:50am F 11:00am - 11:50am	Seats (Total: 24) EGR 1202 KEY 0103	 Discussion

0103	Daniel Blair TuTh 11:00am - 11:50am F 12:00pm - 12:50pm	Seats (Total: 24) EGR 1202 ARM 0101	Discussion
0104	Daniel Blair TuTh 11:00am - 11:50am F 10:00am - 10:50am	Seats (Total: 25) EGR 1202 KEY 0116	Discussion
0105	Daniel Blair TuTh 11:00am - 11:50am F 11:00am - 11:50am	Seats (Total: 25) EGR 1202 KEY 0126	Discussion
0106	Daniel Blair TuTh 11:00am - 11:50am F 12:00pm - 12:50pm	Seats (Total: 25) EGR 1202 HZF 0106	Discussion
0201	Heidi Tiedke MW 12:00pm - 12:50pm F 10:00am - 10:50am	Seats (Total: 25) SKN 0200 PHY 4208	Discussion
0202	Heidi Tiedke MW 12:00pm - 12:50pm F 11:00am - 11:50am	Seats (Total: 25) SKN 0200 ARM 0118	Discussion
0203	Heidi Tiedke MW 12:00pm - 12:50pm F 1:00pm - 1:50pm	Seats (Total: 25) SKN 0200 LEF 1201	Discussion
0204	Heidi Tiedke MW 12:00pm - 12:50pm F 10:00am - 10:50am	Seats (Total: 25) SKN 0200 HJP 1229	Discussion
0205	Heidi Tiedke MW 12:00pm - 12:50pm F 11:00am - 11:50am	Seats (Total: 25) SKN 0200 PHY 0405	Discussion
0206	Heidi Tiedke MW 12:00pm - 12:50pm F 1:00pm - 1:50pm	Seats (Total: 25) SKN 0200 KEY 0123	Discussion

0207	Heidi Tiedke MW 12:00pm - 12:50pm F 10:00am - 10:50am	Seats (Total: 25) SKN 0200 KEY 0126	Discussion
0208	Heidi Tiedke MW 12:00pm - 12:50pm F 11:00am - 11:50am	Seats (Total: 25) SKN 0200 KEY 0116	Discussion
0209	Heidi Tiedke MW 12:00pm - 12:50pm F 1:00pm - 1:50pm	Seats (Total: 25) SKN 0200 PHY 4208	Discussion

PHIL140 **Contemporary Moral Issues**

PHIL140 Contemporary Moral Issues; (3 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course.
The uses of philosophical analysis in thinking clearly about such widely debated moral issues as abortion, euthanasia, homosexuality, pornography, reverse discrimination, the death penalty, business ethics, sexual equality, and economic justice.

0101	Samuel Kerstein MW 12:00pm - 12:50pm F 10:00am - 10:50am	Seats (Total: 24) SHM 2102 KEY 0103	Discussion
0102	Samuel Kerstein MW 12:00pm - 12:50pm F 12:00pm - 12:50pm	Seats (Total: 25) SHM 2102 WDS 0104	Discussion
0103	Samuel Kerstein MW 12:00pm - 12:50pm F 1:00pm - 1:50pm	Seats (Total: 25) SHM 2102 ARM 0103	Discussion
0104	Samuel Kerstein MW 12:00pm - 12:50pm F 10:00am - 10:50am	Seats (Total: 24) SHM 2102 JMZ 3203	Discussion
0105	Samuel Kerstein MW 12:00pm - 12:50pm F 12:00pm - 12:50pm	Seats (Total: 25) SHM 2102 JMZ 0103	Discussion

0106	Samuel Kerstein MW 12:00pm - 12:50pm F 1:00pm - 1:50pm	Seats (Total: 25) SHM 2102 KEY 0121	Discussion
0107	Samuel Kerstein MW 12:00pm - 12:50pm F 10:00am - 10:50am	Seats (Total: 24) SHM 2102 MTH 0306	Discussion
0108	Samuel Kerstein MW 12:00pm - 12:50pm F 12:00pm - 12:50pm	Seats (Total: 25) SHM 2102 HBK 1112	Discussion
0109	Samuel Kerstein MW 12:00pm - 12:50pm F 1:00pm - 1:50pm	Seats (Total: 25) SHM 2102 WDS 0104	Discussion
0201	Susan Dwyer TuTh 11:00am - 11:50am F 10:00am - 10:50am	Seats (Total: 25) SHM 2102 SKN 1115	Discussion
0202	Susan Dwyer TuTh 11:00am - 11:50am F 11:00am - 11:50am	Seats (Total: 25) SHM 2102 PHY 1219	Discussion
0203	Susan Dwyer TuTh 11:00am - 11:50am F 12:00pm - 12:50pm	Seats (Total: 25) SHM 2102 ARM 0118	Discussion
0204	Susan Dwyer TuTh 11:00am - 11:50am F 10:00am - 10:50am	Seats (Total: 25) SHM 2102 MTH 0411	Discussion
0205	Susan Dwyer TuTh 11:00am - 11:50am F 11:00am - 11:50am	Seats (Total: 25) SHM 2102 MTH 0407	Discussion
0206	Susan Dwyer TuTh 11:00am - 11:50am F 12:00pm - 12:50pm	Seats (Total: 25) SHM 2102 PHY 1219	Discussion

0207	Susan Dwyer TuTh 11:00am - 11:50am F 10:00am - 10:50am	Seats (Total: 25) SHM 2102 MTH 0405	Discussion
0208	Susan Dwyer TuTh 11:00am - 11:50am F 11:00am - 11:50am	Seats (Total: 25) SHM 2102 HBK 0103	Discussion
0209	Susan Dwyer TuTh 11:00am - 11:50am F 12:00pm - 12:50pm	Seats (Total: 25) SHM 2102 ARM 0103	Discussion

PHIL170 **Introduction to Logic**

PHIL170 Introduction to Logic; (3 credits) Grade Method: REG/P-F/AUD. CORE Mathematics or Formal Reasoning (MS) Course.
Development of analytical reasoning skills through study of formal logics, reasoning systems, and fallacious inference patterns.

0101	Erin Eaker MW 10:00am - 10:50am F 10:00am - 10:50am	Seats (Total: 25) HJP 0226 ARM 0120	Discussion
0102	Erin Eaker MW 10:00am - 10:50am F 12:00pm - 12:50pm	Seats (Total: 25) HJP 0226 KEY 0103	Discussion
0103	Erin Eaker MW 10:00am - 10:50am F 1:00pm - 1:50pm	Seats (Total: 25) HJP 0226 HBK 1112	Discussion
0104	Erin Eaker MW 10:00am - 10:50am F 10:00am - 10:50am	Seats (Total: 25) HJP 0226 PHY 1201	Discussion
0105	Erin Eaker MW 10:00am - 10:50am F 1:00pm - 1:50pm	Seats (Total: 25) HJP 0226 ARM 0118	Discussion

0106	Erin Eaker MW 10:00am - 10:50am F 12:00pm - 12:50pm	Seats (Total: 25) HJP 0226 ARM 0121	Discussion
0107	Erin Eaker MW 10:00am - 10:50am F 10:00am - 10:50am	Seats (Total: 25) HJP 0226 COL 3111	Discussion
0108	Erin Eaker MW 10:00am - 10:50am F 12:00pm - 12:50pm	Seats (Total: 25) HJP 0226 SKN 1115	Discussion
0109	Erin Eaker MW 10:00am - 10:50am F 1:00pm - 1:50pm	Seats (Total: 25) HJP 0226 ARM 0120	Discussion
0110	Erin Eaker MW 10:00am - 10:50am F 9:00am - 9:50am	Seats (Total: 21) HJP 0226 JMZ 1215	Discussion
0111	Erin Eaker MW 10:00am - 10:50am F 2:00pm - 2:50pm	Seats (Total: 20) HJP 0226 ARM 0120	Discussion

PHIL209M **Philosophical Issues; Issues in Moral Philosophy**
Contact department for information to register for this course.

PHIL230 **Philosophy of the Arts**

PHIL230 Philosophy of the Arts; (3 credits) Grade Method: REG/P-F/AUD. CORE History or Theory of Arts (HA) Course.
A survey of theoretical perspectives on the arts from Plato to the present, along with critical examination of specific works of art. Analysis of concepts central to thought about art, such as beauty, form, content, expression, representation, interpretation, creation, style, medium, realism, aesthetic experience, and aesthetic value.

0101	Elizabeth Picciuto MW 11:00am - 11:50am F 10:00am - 10:50am	Seats (Total: 25) TYD 2109 TYD 2111	Discussion

0102	Elizabeth Picciuto MW 11:00am - 11:50am F 11:00am - 11:50am	Seats (Total: 25) TYD 2109 HZF 0106	Discussion
0103	Elizabeth Picciuto MW 11:00am - 11:50am F 1:00pm - 1:50pm	Seats (Total: 25) TYD 2109 TYD 1114	Discussion

PHIL236 **Philosophy of Religion**

PHIL236 Philosophy of Religion; (3 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course.
A philosophical study of some of the main problems of religious thought: the nature of religious experience, the justification of religious belief, the conflicting claims of religion and science, and the relation between religion and morality.

0101	Jennifer Runnels TuTh 9:30am - 10:20am F 10:00am - 10:50am	Seats (Total: 25) ANS 0408 HBK 0103	Discussion
0102	Jennifer Runnels TuTh 9:30am - 10:20am F 11:00am - 11:50am	Seats (Total: 25) ANS 0408 MTH 0405	Discussion
0103	Jennifer Runnels TuTh 9:30am - 10:20am F 12:00pm - 12:50pm	Seats (Total: 25) ANS 0408 TLF 1103	Discussion

PHIL250 **Philosophy of Science I**

PHIL250 Philosophy of Science I; (3 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course.
Main issues in the philosophy of science. Special attention to the ways scientific developments have influenced the philosophy of science and how philosophy of science has influenced scientific progress. Case studies of selected historical episodes in which science and philosophy have interacted significantly, focusing on the physical, biological, or social sciences.

0101	Elizabeth Schechter MW 10:00am - 10:50am F 10:00am - 10:50am	Seats (Total: 25) SYM 0200 MTH 0305	Discussion
0102	Elizabeth Schechter MW 10:00am - 10:50am F 11:00am - 11:50am	Seats (Total: 25) SYM 0200 SKN 1115	Discussion
0103	Elizabeth Schechter MW 10:00am - 10:50am F 12:00pm - 12:50pm	Seats (Total: 25) SYM 0200 SKN 1112	Discussion

PHIL256 **Philosophy of Biology I**

PHIL256 Philosophy of Biology I; (3 credits) Grade Method: REG/AUD. CORE Humanities (HO) Course.
Issues in the discovery and justification of biological theories and models. Focus on cases from twentieth century biology, such as the genetic revolution or evolutionary theory.

0101	Lindley Darden TuTh 12:30pm - 1:45pm	Seats (Total: 30) SKN 1115	

PHIL280 **Perspectives on the Mind: Philosophy and Cognitive Science**

PHIL280 Perspectives on the Mind: Philosophy and Cognitive Science; (3 credits) Grade Method: REG/P-F/AUD. CORE Interdisciplinary & Emerging Issues (IE) Course.
The role of representation and reasoning in cognition considered from the differing perspectives of the cognitive-science disciplines: linguistics, philosophy, neuroscience, psychology and computer science.

0101	Daniel Blair MW 11:00am - 11:50am F 10:00am - 10:50am	Seats (Total: 25) TYD 2106 ARM 0121	Discussion
0102	Daniel Blair MW 11:00am - 11:50am F 12:00pm - 12:50pm	Seats (Total: 25) TYD 2106 TYD 2108	Discussion

0103	Daniel Blair MW 11:00am - 11:50am F 1:00pm - 1:50pm	Seats (Total: 25) TYD 2106 TLF 1101	Discussion

PHIL282 **Action and Responsibility**

PHIL282 Action and Responsibility; (3 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course.
Problems in ethics and philosophy of mind concerning such topics as personal agency, moral motivation, guilt, free will, and responsibility.

0101	Patricia Greenspan MW 12:00pm - 12:50pm F 10:00am - 10:50am	Seats (Total: 25) TYD 1102 MTH 0403	Discussion
0102	Patricia Greenspan MW 12:00pm - 12:50pm F 11:00am - 11:50am	Seats (Total: 25) TYD 1102 JMP 1202	Discussion
0103	Patricia Greenspan MW 12:00pm - 12:50pm F 1:00pm - 1:50pm	Seats (Total: 25) TYD 1102 HBK 0123	Discussion

PHIL320 **Modern Philosophy**

PHIL320 Modern Philosophy; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: six credit hours in philosophy. A study of major philosophical issues of the 16th, 17th, and 18th centuries through an examination of such philosophers as Descartes, Newton, Hume, and Kant.

0101	Charles Manekin MW 11:00am - 11:50am F 10:00am - 10:50am	Seats (Total: 25) SYM 0200 MTH B0423	Discussion
0102	Charles Manekin MW 11:00am - 11:50am F 11:00am - 11:50am	Seats (Total: 25) SYM 0200 JMP 1109	Discussion

0103	Charles Manekin MW 11:00am - 11:50am F 12:00pm - 12:50pm	Seats (Total: 25) SYM 0200 KEY 0126	Discussion

PHIL324 **Existentialism**

PHIL324 Existentialism; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: six credit hours in philosophy. A study of authors such as Kierkegaard, Nietzsche, Heidegger, Sarte, and Camus on issues of human morality, freedom, and suffering.

0101	Dimiter Kirilov MW 1:00pm - 1:50pm F 10:00am - 10:50am	Seats (Total: 25) SYM 0200 MTH 0401	Discussion
0102	Dimiter Kirilov MW 1:00pm - 1:50pm F 11:00am - 11:50am	Seats (Total: 25) SYM 0200 MTH 0401	Discussion
0103	Dimiter Kirilov MW 1:00pm - 1:50pm F 1:00pm - 1:50pm	Seats (Total: 25) SYM 0200 KEY 0120	Discussion

PHIL347 **Philosophy of Law**

PHIL347 Philosophy of Law; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: three credit hours in philosophy. Credit will be granted for only one of the following: PHIL347 or PHIL447. Formerly PHIL447. Examination of fundamental concepts related to law, e.g. legal systems, law and morality, justice, legal reasoning, responsibility.

0101	Christopher Morris TuTh 11:00am - 11:50am F 10:00am - 10:50am	Seats (Total: 25) ANS 0408 CHM 0122	Discussion
0102	Christopher Morris TuTh 11:00am - 11:50am F 11:00am - 11:50am	Seats (Total: 25) ANS 0408 CHM 0122	Discussion

0103	Christopher Morris TuTh 11:00am - 11:50am F 12:00pm - 12:50pm	Seats (Total: 25) ANS 0408 CHM 0122	 Discussion

PHIL354 **Philosophy of Physics**

PHIL354 Philosophy of Physics; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: PHYS260 or MATH220 or equivalent; or permission of department. Recommended: PHYS270, PHYS401. Not open to students who have completed PHIL452. Credit will be granted for only one of the following: PHIL354 or PHIL452.* An introduction to current issues at the interface of physics and philosophy, associated with our current picture of the physical world as fundamentally quantum mechanical. Topics include the debate between Einstein and Bohr on the objectivity and completeness of the quantum description, nonlocality and Bell's theorem, realism and the measurement problem, irreversibility and the arrow of time.

0101	Michael Cifone TuTh 12:30pm - 1:45pm	Seats (Total: 30) WDS 0104

PHIL360 **Philosophy of Language**

PHIL360 Philosophy of Language; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: Two courses in philosophy, one of which must be PHIL170, PHIL173, or PHIL370; or permission of department.* An inquiry into the nature and function of language and other forms of symbolism. Also offered as LING350.

0101	Erin Eaker TuTh 9:30am - 10:45am	Seats (Total: 30) SKN 1115

PHIL364 **Metaphysics**

PHIL364 Metaphysics; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: six credit hours in philosophy. Not open to students who have completed PHIL464. Formerly PHIL464.* The study of some central metaphysical concepts and issues including the nature and validity of metaphysical thinking, universals, identity, substance, time, God, and reality.

0101	Mathias Frisch TuTh 11:00am - 12:15pm	Seats (Total: 30) HJP 1229

PHIL370 **Symbolic Logic**

PHIL370 Symbolic Logic; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: PHIL170 or CMSC250; or permission of department. Not open to students who have completed PHIL271 or PHIL371. Credit will be granted for only one of the following: PHIL271, PHIL370 or PHIL371. A review of propositional and predicate logic and related topics and an introduction to the semantics and metatheory of first-order logic.

0101	Michael Morreau	Seats (Total: 25)
	TuTh 12:30pm - 1:45pm	KEY 0126

PHIL386 **Experiential Learning**

PHIL386 *(PermReq)* **Experiential Learning; (6 credits)** Grade Method: REG/P-F.
Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: permission of department. Junior standing. Consult Director of Undergraduate Studies: C. Manekin. Prerequisites: 12 credit hours of philosophy and 3.0 GPA. Carries no credit toward philosophy major.

Contact department for information to register for this course.

PHIL408E **Topics in Contemporary Philosophy; Equality and Impartiality**

PHIL408E Topics in Contemporary Philosophy: Equality and Impartiality; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: 6 credit hours of philosophy courses or permission of department.

0101	Dan Moller	Seats (Total: 25)
	MW 2:00pm - 3:15pm	SKN 1112

PHIL408M **Topics in Contemporary Philosophy; Animals: Mind and Value**

PHIL408M Topics in Contemporary Philosophy: Animals: Mind and Value; (3 credits) Grade Method: REG/P-F/AUD.

0101	Susan Bilek	Seats (Total: 25)
	TuTh 9:30am - 10:45am	SKN 1112

PHIL408P **Topics in Contemporary Philosophy; The First Person in Language and Thought**

PHIL408P Topics in Contemporary Philosophy: The First Person in Language and Thought; (3 credits) Grade Method: REG/P-F/AUD.

0101	Daniel Blair TuTh 2:00pm - 3:15pm	Seats (Total: 25) EDU 0212

PHIL408V **Topics in Contemporary Philosophy; Vagueness**

PHIL408V Topics in Contemporary Philosophy: Vagueness; (3 credits) Grade Method: REG/P-F/AUD.

0101	Michael Morreau TuTh 11:00am - 12:15pm	Seats (Total: 25) SKN 1112

PHIL408W **Topics in Contemporary Philosophy; Philosophy of Action**

PHIL408W Topics in Contemporary Philosophy: Philosophy of Action; (3 credits) Grade Method: REG/P-F/AUD.

0101	Patricia Greenspan MW 2:00pm - 3:15pm	Seats (Total: 25) SKN 1115

PHIL414 **The Philosophy of Aristotle**

PHIL414 The Philosophy of Aristotle; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: three courses in philosophy.* A critical study of selected portions of Aristotle's writings.

0101	Rachel Singpurwalla MW 2:00pm - 3:15pm	Seats (Total: 24) BPS 1232

PHIL417 **The Golden Age of Jewish Philosophy**

PHIL417 The Golden Age of Jewish Philosophy; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: three credit hours in philosophy or permission of department. Also offered as JWST452. Not open to students who have completed JWST452. Credit will be granted for only one of the following: PHIL417 or JWST452. Jewish philosophy from Maimonides in the 12th century to the expulsion of the Jews from Spain at the end of the 15th century. Topics include the limitations of human knowledge, creation of the world, foreknowledge and free will, and the existence of God.

0101	Charles Manekin MW 2:00pm - 3:15pm	Seats (Total: 25) WDS 1130

PHIL428J **Topics in the History of Philosophy; HUME**

PHIL428J Topics in the History of Philosophy: HUME; (3 credits) Grade Method: REG/P-F/AUD.

0101	Mathias Frisch TuTh 2:00pm - 3:15pm	Seats (Total: 25) SKN 1115

PHIL428M **Topics in the History of Philosophy; Descartes & Mechanism**

PHIL428M Topics in the History of Philosophy: Descartes & Mechanism; (3 credits) Grade Method: REG/P-F/AUD.

0101	Lindley Darden Tu 4:00pm - 6:30pm	Seats (Total: 25) SKN 1115

PHIL428R **Topics in the History of Philosophy; Retreat from Aristotelianism**

PHIL428R Topics in the History of Philosophy: Retreat from Aristotelianism; (3 credits) Grade Method: REG/P-F/AUD.

0101	Lars Svenonius MWF 1:00pm - 1:50pm	Seats (Total: 25) SKN 1112

PHIL498F **Topical Investigations; Topical Investigation**

PHIL498F *(PermReq)* **Topical Investigations: Topical Investigation; (1-3 credits)**
Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite:Two courses in philosophy or permission of the department.

Contact department for information to register for this course.

PHIL498G **Topical Investigations; Topical Investigation**

PHIL498G *(PermReq)* **Topical Investigations: Topical Investigation; (1-3 credits)**
Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite:Two courses in philosophy or permission of the department.

Contact department for information to register for this course.

PHIL498N **Topical Investigations; Nature/'Nature"**
Contact department for information to register for this course.

PHIL640 **Value Theory**

PHIL640 Value Theory; (3 credits) Grade Method: REG/AUD.
Prerequisite: Graduate status in philosophy or permission of department. A basic course in value theory for beginning graduate students, covering a number of topics in depth, to provide a springboard for further study and research in the area.

0101	Dan Moller	Seats (Total: 15)
	Tu 2:00pm - 4:30pm	SKN 1116

PHIL688W **Selected Problems in Philosophy; Proseminar in Politics, Philosophy and Public Policy**

PHIL688W Selected Problems in Philosophy: Proseminar in Politics, Philosophy and Public Policy; (3 credits) Grade Method: REG/AUD.
Also offered as GVPT859B and PUAF698J.

0101	Christopher Morris, Karol Soltan	Seats (Total: 15)
	Tu 12:30pm - 3:15pm	TYD 1136

PHIL788 **Research in Philosophy**

PHIL788 Research in Philosophy; (1-6 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

PHIL788G **Research in Philosophy; Research in Philosophy**

PHIL788G *(PermReq)* **Research in Philosophy: Research in Philosophy; (1-6 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

PHIL788I **Research in Philosophy; Research in Philosophy**

PHIL788I *(PermReq)* **Research in Philosophy: Research in Philosophy; (1-6 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

PHIL799 **Master's Thesis Research; Masters Thesis Research**

PHIL799 Master's Thesis Research: Masters Thesis Research; (1-6 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

PHIL808M **Seminar in the Problems of Philosophy; Sentences and Propositions**

PHIL808M Seminar in the Problems of Philosophy: Sentences and Propositions; (3 credits) Grade Method: REG/AUD.

0101	Paul Pietroski	Seats (Total: 15)
	M 2:00pm - 4:30pm	SKN 1116

PHIL828 **Seminar in the History of Philosophy; Plato's Republic**

PHIL828 Seminar in the History of Philosophy: Plato's Republic; (3 credits) Grade Method: REG/AUD.

0101	Rachel Singpurwalla M 5:00pm - 7:30pm	Seats (Total: 15) SKN 1116

PHIL848R **Seminar in Ethics; Respect for Persons**

PHIL848R Seminar in Ethics: Respect for Persons; (3 credits) Grade Method: REG/AUD.

0101	Samuel Kerstein Th 2:00pm - 4:30pm	Seats (Total: 15) SKN 1116

PHIL858P **Seminar in Logic and Philosophy of Sciences; Physics and Metaphysics**

PHIL858P Seminar in Logic and Philosophy of Sciences: Physics and Metaphysics; (3 credits) Grade Method: REG/AUD.

0101	Allen Stairs Th 5:00pm - 7:30pm	Seats (Total: 15) SKN 1116

PHIL888 **Professional Mentoring for Doctoral Students**

PHIL888 Professional Mentoring for Doctoral Students; (1-3 credits) Grade Method: S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

PHIL889 **Pedagogical Mentoring for Doctoral Students**

PHIL889 *(PermReq)* **Pedagogical Mentoring for Doctoral Students; (1-3 credits)** Grade Method: S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

PHIL898 **Pre-Candidacy Research**

PHIL898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

PHIL899 **Doctoral Dissertation Research; Doctoral Dissertation Research**

PHIL899 *(PermReq)* **Doctoral Dissertation Research: Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

PHYS Physics Spring 2009

PHYS102 **Physics of Music**

PHYS102 Physics of Music; (3 credits) Grade Method: REG/P-F/AUD. *CORE Distributive Studies Physical Science Laboratory Course only when taken concurrently with PHYS103. Prerequisite: Placement in MATH110 or higher. Credit not applicable towards the minimum requirements for a major in physics and astronomy. Credit will be granted for only one of the following: PHYS102 and PHYS499C.* A study of the physical basis of sound, acoustical properties of sound, the human ear and voice, reproduction of sound, electronic music, acoustical properties of auditoriums, and other selected topics. CORE Distributive Studies Physical Sciences Laboratory Course when taken concurrently with PHYS 103. Credit cannot be received for both PHYS 102 and PHYS 499C.

0101	Matthew Bobrowsky	Seats (Total: 150)	
	MWF 11:00am - 11:50am	PHY 1410	

PHYS103 **Physics of Music Laboratory**

PHYS103 Physics of Music Laboratory; (1 credit) Grade Method: REG/P-F/AUD. *CORE Distributive Studies Physical Sciences Laboratory Course only when taken concurrently with PHYS 102. Pre- or corequisite: PHYS102. Credit not applicable towards the minimum requirements for a major in physics and astronomy.* Optional laboratory to accompany PHYS 102. Laboratory experiments, including the velocity of sound, sound quality and wave shape, traveling and standing waves, fourier synthesis and analysis, musical synthesizer, psychoacoustics, and audio equipment. CORE Distributive Studies Physical Sciences Laboratory Course only when taken concurrently with PHYS 102.

0101	Suresh Tonwar	Seats (Total: 16)	
	Th 11:00am - 12:50pm	PHY 3213	Lab

0201	Suresh Tonwar Th 1:00pm - 2:50pm	Seats (Total: 16) PHY 3213	Lab
0301	Suresh Tonwar Th 3:30pm - 5:20pm	Seats (Total: 16) PHY 3213	Lab
0401	Suresh Tonwar F 9:00am - 10:50am	Seats (Total: 16) PHY 3213	Lab
0501	Suresh Tonwar F 12:00pm - 1:50pm	Seats (Total: 16) PHY 3213	Lab
0601	Suresh Tonwar F 2:00pm - 3:50pm	Seats (Total: 16) PHY 3213	Lab
0701	Suresh Tonwar W 3:00pm - 5:00pm	Seats (Total: 16) PHY 3213	Lab

PHYS104 **How Things Work: Science Foundations**

PHYS104 How Things Work: Science Foundations; (3 credits) Grade Method: REG/P-F/AUD. CORE Physical Science (PS) Course.
Prerequisite: Placement in MATH110 or higher. This is a course with a non-mathematical emphasis designed to study the basics of mechanical, electrical, and optical devices that are commonly found in the world around us. The general approach would be to look inside things to observe how they work.

0101	Richard Greene TuTh 12:30pm - 1:45pm	Seats (Total: 44) PHY 0405	

PHYS105 **Physics for Decision Makers: Global Energy Crisis**

PHYS105 Physics for Decision Makers: Global Energy Crisis; (3 credits) Grade Method: REG/P-F/AUD. CORE Physical Science (PS) Course.
This marquee course will consider the global energy crisis from a scientific perspective. Topics include basic laws of energy and thermodynamics, their effects on energy production and distribution, greenhouse gas, global warming and policy options for decision makers. This course is aimed at the non-science major.

0101	Daniel Lathrop MW 2:00pm - 3:15pm F 1:00pm - 1:50pm	Seats (Total: 23) PHY 1201 PHY 4220	 Discussion
0102	Daniel Lathrop MW 2:00pm - 3:15pm F 2:00pm - 2:50pm	Seats (Total: 23) PHY 1201 PHY 4208	 Discussion
0103	Daniel Lathrop MW 2:00pm - 3:15pm F 3:00pm - 3:50pm	Seats (Total: 22) PHY 1201 PHY 4220	 Discussion

PHYS106 **Light, Perception, Photography, and Visual Phenomena**

PHYS106 Light, Perception, Photography, and Visual Phenomena; (3 credits) Grade Method: REG/P-F/AUD.
CORE Distributive Studies Physical Sciences Laboratory Course only when taken with PHYS 107. Credit not applicable towards the minimum requirements for a major in physics and astronomy. Intended for the general student, this course will cover topics in optics which require minimal use of mathematics. Principles of optics, lenses, cameras, lasers and holography, physics of the eye, color vision and various visual phenomena such as rainbows. CORE Distributive Studies Physical Sciences Laboratory Course only when taken with PHYS 107.

0101	Alan Peel MWF 2:00pm - 2:50pm	Seats (Total: 155) PHY 1410	

PHYS107 **Light, Perception, Photography and Visual Phenomena Laboratory**

PHYS107 Light, Perception, Photography and Visual Phenomena Laboratory; (1 credit) Grade Method: REG/P-F/AUD.
CORE Distributive Studies Physical Sciences Laboratory Course only when taken with PHYS 106. Pre- or corequisite: PHYS106. Credit not applicable towards the minimum requirements for a major in physics and astronomy. Optional laboratory to accompany PHYS106. Laboratory experiments include geometrical optics (lenses, cameras, eye), optical instruments (telescope, binoculars), photography, perception, color phenomena, and wave phenomena. CORE Distributive Studies Physical Sciences Laboratory Course only when taken with PHYS 106.

0101	Eun-Suk Seo M 3:00pm - 4:50pm	Seats (Total: 24) PHY 3214	Lab
0301	Eun-Suk Seo Tu 11:00am - 12:50pm	Seats (Total: 24) PHY 3214	Lab
0401	Eun-Suk Seo Tu 1:00pm - 2:50pm	Seats (Total: 24) PHY 3214	Lab
0501	Eun-Suk Seo W 11:00am - 12:50pm	Seats (Total: 24) PHY 3214	Lab
0601	Eun-Suk Seo W 3:00pm - 4:50pm	Seats (Total: 24) PHY 3214	Lab

PHYS111 **Physics in the Modern World**

PHYS111 Physics in the Modern World; (3 credits) Grade Method: REG/P-F/AUD. CORE Physical Science (PS) Course.
A survey course in general physics emphasizing the role that physics plays in science, technology, and society today. The course is concept oriented and minimal use of mathematics is made. Intended for the general student; does not satisfy the requirements of the professional schools.

0101	Dieter Brill MWF 9:00am - 9:50am	Seats (Total: 44) PHY 0405

PHYS115 **Inquiry into Physics**

PHYS115 Inquiry into Physics; (4 credits) Grade Method: REG/P-F/AUD. CORE Physical Science Lab (PL) Course.
Recommended: High school physics. For elementary education, early childhood majors only. Not open to students who have completed PHYS117. Credit will be granted for only one of the following: PHYS115 or PHYS117. Intended for students majoring in neither the physical nor the biological sciences. Use of laboratory-based and inquiry-based methods to study some of the basic ideas of physical sciences.

0101	Brian Frank MTuW 2:00pm - 3:50pm	Seats (Total: 24) PHY 3316

0201	Douglas Hamilton MTuW 10:00am - 11:50am	Seats (Total: 20) PHY 3316	

PHYS121 **Fundamentals of Physics I**

PHYS121 Fundamentals of Physics I; (4 credits) Grade Method: REG/P-F/AUD. CORE Physical Science Lab (PL) Course.
Prerequisite: MATH112 or MATH115. The first part of a two-semester course in general physics treating the fields of mechanics, heat, sound, electricity, magnetism, optics, and modern physics. Together with PHYS122, this generally satisfies the minimum requirement of medical and dental schools. Physics Clinic, PHY 1214, MTWHF 12,2. If purchasing used books additional software may be required. This can be purchased on the web and the cost is under $10.00

0101	Fredric Messing TuTh 11:00am - 12:15pm Th 9:00am - 10:50am Th 8:00am - 8:50am	Seats (Total: 26) PHY 1410 PHY 3306 PHY 4208	 Lab Discussion
0102	Fredric Messing TuTh 11:00am - 12:15pm Tu 9:00am - 10:50am Tu 8:00am - 8:50am	Seats (Total: 26) PHY 1410 PHY 3306 PHY 4208	 Lab Discussion
0103	Fredric Messing TuTh 11:00am - 12:15pm Th 2:00pm - 3:50pm Th 1:00pm - 1:50pm	Seats (Total: 26) PHY 1410 PHY 3306 PHY 4208	 Lab Discussion
0104	Fredric Messing TuTh 11:00am - 12:15pm M 1:00pm - 2:50pm M 12:00pm - 12:50pm	Seats (Total: 26) PHY 1410 PHY 3306 PHY 4208	 Lab Discussion
0105	Fredric Messing TuTh 11:00am - 12:15pm W 12:00pm - 1:50pm W 11:00am - 11:50am	Seats (Total: 26) PHY 1410 PHY 3306 PHY 1219	 Lab Discussion

0106	Fredric Messing	Seats (Total: 26)	
	TuTh 11:00am - 12:15pm	PHY 1410	
	M 9:00am - 10:50am	PHY 3306	Lab
	M 8:00am - 8:50am	PHY 4208	Discussion
0201	Satindar Bhagat	Seats (Total: 26)	
	MWF 1:00pm - 1:50pm	PHY 1410	
	W 10:00am - 11:50am	PHY 3306	Lab
	W 9:00am - 9:50am	PHY 4208	Discussion
0202	Satindar Bhagat	Seats (Total: 26)	
	MWF 1:00pm - 1:50pm	PHY 1410	
	W 3:00pm - 4:50pm	PHY 3306	Lab
	W 2:00pm - 2:50pm	CHM 2201	Discussion
0203	Satindar Bhagat	Seats (Total: 26)	
	MWF 1:00pm - 1:50pm	PHY 1410	
	M 3:00pm - 4:50pm	PHY 3306	Lab
	M 2:00pm - 2:50pm	PHY 1402	Discussion
0204	Satindar Bhagat	Seats (Total: 26)	
	MWF 1:00pm - 1:50pm	PHY 1410	
	Tu 3:00pm - 4:50pm	PHY 3306	Lab
	Tu 2:00pm - 2:50pm	PHY 4208	Discussion
0301	Satindar Bhagat	Seats (Total: 26)	
	MWF 3:00pm - 3:50pm	PHY 1410	
	M 11:00am - 12:50pm	PHY 3306	Lab
	M 10:00am - 10:50am	PHY 4220	Discussion
0303	Satindar Bhagat	Seats (Total: 26)	
	MWF 3:00pm - 3:50pm	PHY 1410	
	Tu 1:00pm - 2:50pm	PHY 3306	Lab
	Tu 12:00pm - 12:50pm	PHY 4208	Discussion
0304	Satindar Bhagat	Seats (Total: 26)	
	MWF 3:00pm - 3:50pm	PHY 1410	
	Th 12:00pm - 1:50pm	PHY 3306	Lab
	Th 11:00am - 11:50am	CHM 1402	Discussion

0401	Hsing-Hen Chen	Seats (Total: 26)	
	Tu 7:00pm - 8:50pm	PHY 1412	
	Th 6:30pm - 7:20pm	PHY 1412	
	Tu 5:00pm - 6:50pm	PHY 3306	Lab
	Th 7:30pm - 8:20pm	PHY 1402	Discussion
SES1	Hsing-Hen Chen	Seats (Total: 20)	
	Tu 7:00pm - 8:50pm	PHY 1412	
	Th 6:30pm - 7:20pm	PHY 1412	
	Th 7:30pm - 9:20pm	PHY 3306	Lab
	Tu 6:00pm - 6:50pm	PHY 1402	Discussion

PHYS122 **Fundamentals of Physics II**

PHYS122 Fundamentals of Physics II; (4 credits) Grade Method: REG/P-F/AUD. CORE Physical Science Lab (PL) Course.
Prerequisite: PHYS121 or equivalent. A continuation of PHYS121, which together with it, generally satisfies the minimum requirement of medical and dental schools. Physics Clinic, PHY 1214, MTWHF 11,2. If purchasing used books additional software may be required. This can be purchased on the web and the cost is under $10.00

0101	Edward Redish	Seats (Total: 24)	
	MWF 10:00am - 10:50am	PHY 1412	
	M 12:00pm - 1:50pm	PHY 3312	Lab
	M 11:00am - 11:50am	PHY 3301	Discussion
0102	Edward Redish	Seats (Total: 24)	
	MWF 10:00am - 10:50am	PHY 1412	
	W 12:00pm - 1:50pm	PHY 3312	Lab
	W 11:00am - 11:50am	PHY 3301	Discussion
0103	Edward Redish	Seats (Total: 24)	
	MWF 10:00am - 10:50am	PHY 1412	
	Tu 12:00pm - 1:50pm	PHY 3312	Lab
	Tu 11:00am - 11:50am	PHY 3301	Discussion
0104	Edward Redish	Seats (Total: 24)	
	MWF 10:00am - 10:50am	PHY 1412	
	Tu 2:00pm - 3:50pm	PHY 3312	Lab
	Tu 1:00pm - 1:50pm	PHY 3301	Discussion

0105	Edward Redish	Seats (Total: 24)	
	MWF 10:00am - 10:50am	PHY 1412	
	W 2:00pm - 3:50pm	PHY 3312	Lab
	W 1:00pm - 1:50pm	PHY 3301	Discussion
0201	Bei Lok Hu	Seats (Total: 24)	
	TuTh 12:30pm - 1:45pm	PHY 1412	
	Tu 10:00am - 11:50am	PHY 3312	Lab
	Tu 9:00am - 9:50am	PHY 3301	Discussion
0202	Bei Lok Hu	Seats (Total: 24)	
	TuTh 12:30pm - 1:45pm	PHY 1412	
	W 4:00pm - 5:50pm	PHY 3312	Lab
	W 3:00pm - 3:50pm	PHY 3301	Discussion
0203	Bei Lok Hu	Seats (Total: 24)	
	TuTh 12:30pm - 1:45pm	PHY 1412	
	M 4:00pm - 5:50pm	PHY 3312	Lab
	M 3:00pm - 3:50pm	PHY 3301	Discussion
0204	Bei Lok Hu	Seats (Total: 24)	
	TuTh 12:30pm - 1:45pm	PHY 1412	
	W 9:00am - 10:50am	PHY 3312	Lab
	W 8:00am - 8:50am	PHY 3301	Discussion
0205	Bei Lok Hu	Seats (Total: 24)	
	TuTh 12:30pm - 1:45pm	PHY 1412	
	Th 4:00pm - 5:50pm	PHY 3312	Lab
	Th 3:00pm - 3:50pm	PHY 3301	Discussion
0301	Manuel Tiglio	Seats (Total: 24)	
	MWF 9:00am - 9:50am	PHY 1410	
	Th 10:00am - 11:50am	PHY 3312	Lab
	Th 9:00am - 9:50am	PHY 3301	Discussion
0302	Manuel Tiglio	Seats (Total: 20)	
	MWF 9:00am - 9:50am	PHY 1410	
	Th 2:00pm - 3:50pm	PHY 3312	Lab
	Th 1:00pm - 1:50pm	PHY 3301	Discussion

0303	Manuel Tiglio	Seats (Total: 21)	
	MWF 9:00am - 9:50am	PHY 1410	
	M 2:00pm - 3:50pm	PHY 3312	Lab
	M 1:00pm - 1:50pm	PHY 3301	Discussion
0304	Manuel Tiglio	Seats (Total: 23)	
	MWF 9:00am - 9:50am	PHY 1410	
	M 10:00am - 11:50am	PHY 3312	Lab
	W 4:00pm - 4:50pm	PHY 3301	Discussion
0305	Manuel Tiglio	Seats (Total: 24)	
	MWF 9:00am - 9:50am	PHY 1410	
	Tu 8:00am - 9:50am	PHY 3312	Lab
	M 2:00pm - 2:50pm	PHY 3301	Discussion
0502	Giridhar Nandikotkur	Seats (Total: 24)	
	Tu 7:00pm - 8:50pm	PHY 1410	
	Th 7:00pm - 7:50pm	PHY 1410	
	W 6:00pm - 7:50pm	PHY 3312	Lab
	W 5:00pm - 5:50pm	PHY 3301	Discussion
0503	Giridhar Nandikotkur	Seats (Total: 24)	
	Tu 7:00pm - 8:50pm	PHY 1410	
	Th 7:00pm - 7:50pm	PHY 1410	
	Tu 5:00pm - 6:50pm	PHY 3312	Lab
	Tu 4:00pm - 4:50pm	PHY 3301	Discussion
0504	Giridhar Nandikotkur	Seats (Total: 24)	
	Tu 7:00pm - 8:50pm	PHY 1410	
	Th 7:00pm - 7:50pm	PHY 1410	
	M 7:00pm - 8:50pm	PHY 3312	Lab
	M 5:00pm - 5:50pm	PHY 3301	Discussion
SES1	Giridhar Nandikotkur	Seats (Total: 24)	
	Tu 7:00pm - 8:50pm	PHY 1410	
	Th 7:00pm - 7:50pm	PHY 1410	
	Th 8:00pm - 9:50pm	PHY 3312	Lab
	Th 6:00pm - 6:50pm	PHY 3301	Discussion

SG91	George Sherwood TuTh 9:30am - 10:45am F 2:00pm - 4:50pm Tu 11:00am - 11:50am	Seats (Total: 30) SGII 3052 Location: TBA SGII 3052	 Lab Discussion
	Registration is restricted to Biological Sciences- Shady Grove majors. Friday Lab meets at Rockville Campus, Montgomery County.		

PHYS141 **Principles of Physics**

PHYS141 Principles of Physics; (4 credits) Grade Method: REG/P-F/AUD. CORE Physical Science Lab (PL) Course.
Corequisite: MATH141 or MATH221. Credit will not be granted for PHYS171 and PHYS161 or PHYS141 or former PHYS191. The first of a two-semester series in general physics. The first semester covers the fields of mechanics, thermodynamics, and special relativity. This survey course will use calculus and is recommended for chemistry and zoology majors. It also satisfies the requirements of medical and dental schools. Physics Clinic, PHY 1214, MTWHF 2. If purchasing used books additional software may be required. This can be purchased on the web and the cost is under $10.00

0102	Sarah Eno MWF 3:00pm - 3:50pm Th 2:00pm - 3:50pm Th 1:00pm - 1:50pm	Seats (Total: 22) PHY 0405 PHY 3314 PHY 4220	 Lab Discussion
0104	Sarah Eno MWF 3:00pm - 3:50pm Th 11:00am - 12:50pm F 2:00pm - 2:50pm	Seats (Total: 22) PHY 0405 PHY 3314 PHY 1219	 Lab Discussion

PHYS142 **Principles of Physics**

PHYS142 Principles of Physics; (4 credits) Grade Method: REG/P-F/AUD. CORE Physical Science Lab (PL) Course.
Prerequisite: PHYS141 or equivalent. Credit will be granted for only one of the following: PHYS142, PHYS260 and PHYS261 (formerly: PHYS262) or PHYS272. A continuation of PHYS141 covering waves, electricity and magnetism, optics and modern physics. Physics Clinic, PHY 1214, MTWHF 10,12. If purchasing used books additional software may be required. This can be purchased on the web and the cost is under $10.00

0101	Johnpierre Paglione MWF 11:00am - 11:50am M 1:00pm - 2:50pm M 12:00pm - 12:50pm	Seats (Total: 22) PHY 1201 PHY 3314 PHY 1402	 Lab Discussion
0102	Johnpierre Paglione MWF 11:00am - 11:50am M 3:00pm - 4:50pm M 2:00pm - 2:50pm	Seats (Total: 22) PHY 1201 PHY 3314 PHY 4208	 Lab Discussion
0103	Johnpierre Paglione MWF 11:00am - 11:50am Tu 1:00pm - 2:50pm Tu 12:00pm - 12:50pm	Seats (Total: 22) PHY 1201 PHY 3314 PHY 1219	 Lab Discussion

PHYS161 **General Physics: Mechanics and Particle Dynamics**

PHYS161 General Physics: Mechanics and Particle Dynamics; (3 credits) Grade Method: REG/P-F/AUD. CORE Physical Science (PS) Course.
Pre- or corequisite: MATH141. Credit will not be granted for PHYS171 and PHYS161 or PHYS141 or former PHYS191. First semester of a three-semester calculus-based general physics course. Laws of motion, force, and energy; principles of mechanics, collisions, linear momentum, rotation, and gravitation. Physics Clinic, PHY 1214, MTWHF 11, 1, 2. If purchasing used books additional software may be required. This can be purchased on the web and the cost is under $10.00

0101	David Hammer TuTh 2:00pm - 3:15pm M 9:00am - 9:50am	Seats (Total: 30) PHY 1410 PHY 4208	 Discussion
0102	David Hammer TuTh 2:00pm - 3:15pm W 4:00pm - 4:50pm	Seats (Total: 30) PHY 1410 PHY 0405	 Discussion
0103	David Hammer TuTh 2:00pm - 3:15pm F 9:00am - 9:50am	Seats (Total: 30) PHY 1410 PHY 1219	 Discussion
0104	David Hammer TuTh 2:00pm - 3:15pm Th 11:00am - 11:50am	Seats (Total: 30) PHY 1410 PHY 0220	 Discussion

0105	David Hammer TuTh 2:00pm - 3:15pm M 9:00am - 9:50am	Seats (Total: 30) PHY 1410 PHY 1219	Discussion
0201	Rabindra Mohapatra MWF 12:00pm - 12:50pm Tu 2:00pm - 2:50pm	Seats (Total: 30) PHY 1412 EGR 0108	Discussion
0202	Rabindra Mohapatra MWF 12:00pm - 12:50pm Tu 2:00pm - 2:50pm	Seats (Total: 30) PHY 1412 PHY 4220	Discussion
0203	Rabindra Mohapatra MWF 12:00pm - 12:50pm Th 2:00pm - 2:50pm	Seats (Total: 30) PHY 1412 PHY 4220	Discussion
0204	Rabindra Mohapatra MWF 12:00pm - 12:50pm Th 3:00pm - 3:50pm	Seats (Total: 30) PHY 1412 PHY 4220	Discussion
0205	Rabindra Mohapatra MWF 12:00pm - 12:50pm F 8:00am - 8:50am	Seats (Total: 30) PHY 1412 PHY 4208	Discussion
0301	Ayush Gupta MWF 2:00pm - 2:50pm Tu 3:00pm - 3:50pm	Seats (Total: 30) PHY 1412 PHY 4208	Discussion
0302	Ayush Gupta MWF 2:00pm - 2:50pm Tu 4:00pm - 4:50pm	Seats (Total: 30) PHY 1412 PHY 4208	Discussion
0304	Ayush Gupta MWF 2:00pm - 2:50pm Th 4:00pm - 4:50pm	Seats (Total: 30) PHY 1412 PHY 4220	Discussion
0305	Ayush Gupta MWF 2:00pm - 2:50pm F 10:00am - 10:50am	Seats (Total: 30) PHY 1412 PHY 1219	Discussion

0306	Ayush Gupta MWF 2:00pm - 2:50pm F 11:00am - 11:50am	Seats (Total: 30) PHY 1412 PHY 4220	 Discussion
0401	Shane McCarthy M 7:00pm - 8:50pm W 7:00pm - 7:50pm W 8:00pm - 8:50pm	Seats (Total: 35) PHY 1412 PHY 1412 PHY 1402	 Discussion
0402	Shane McCarthy M 7:00pm - 8:50pm W 7:00pm - 7:50pm W 6:00pm - 6:50pm	Seats (Total: 35) PHY 1412 PHY 1412 PHY 1402	 Discussion
0403	Shane McCarthy M 7:00pm - 8:50pm W 7:00pm - 7:50pm M 6:00pm - 6:50pm	Seats (Total: 35) PHY 1412 PHY 1412 PHY 1219	 Discussion

PHYS171 **Introductory Physics: Mechanics and Relativity**

PHYS171 Introductory Physics: Mechanics and Relativity; (3 credits) Grade Method: REG/P-F/AUD. CORE Physical Science (PS) Course.
Prerequisite: MATH140 and a high school physics course or permission of department. Corequisite: MATH141. Credit will not be granted for PHYS171 and PHYS161 or PHYS141 or former PHYS191. First semester of a three semester sequence for physics majors and those desiring a rigorous preparation in the physical sciences: kinematics, Newton's laws, energy and work, linear and angular momenta, temperature and pressure, ideal gas law, and special relativity.

0101	Kevork Abazajian MTuThF 10:00am - 10:50am	Seats (Total: 44) PHY 0405	

PHYS174 **Physics Laboratory Introduction**

PHYS174 Physics Laboratory Introduction; (1 credit) Grade Method: REG/P-F/AUD.
Corequisite: MATH140. Recommended: high school physics. Introduces students to the techniques of data gathering and analysis. This course will lay a foundation for higher-level labs in physics and the physical sciences. Students will learn to use laboratory equipment such as calipers, meters, oscilloscopes, and computer interfaces. Techniques of measurement and error analysis will be presented. Students will be taught to use the computer for data analysis with an emphasis on using spreadsheets.

0101	Peter Shawhan W 9:00am - 10:50am	Seats (Total: 14) PHY 3115
0201	Ki-Yong Kim W 3:00pm - 4:50pm	Seats (Total: 14) PHY 3115
0301	Peter Shawhan W 1:00pm - 2:50pm	Seats (Total: 14) PHY 3115
0401	Ki-Yong Kim Th 11:00am - 12:50pm	Seats (Total: 14) PHY 3115
0501	Ki-Yong Kim Th 2:00pm - 3:50pm	Seats (Total: 14) PHY 3115

PHYS260 **General Physics: Vibration, Waves, Heat, Electricity and Magnetism**

PHYS260 General Physics: Vibration, Waves, Heat, Electricity and Magnetism; (3 credits) Grade Method: REG/P-F/AUD.
CORE Physical Science Lab (PL) Course when take concurrently with PHYS 261. Prerequisite: MATH141 and PHYS161. Corequisite: PHYS261. Credit will be granted for only one of the following: PHYS142; PHYS260 and PHYS 261 (Formerly: PHYS262) or PHYS272. Formerly PHYS262. Second semester of a three-semester calculus-based general physics course. Vibrations, waves, fluids; heat, kinetic theory, and thermodynamics; electrostatics, circuits, and magnetism. PHYS260 and PHYS261 must be taken in the same semester and the grade for the courses will be combined into a single grade for both. To pass, students must complete passing work in both PHYS260 and PHYS261. CORE Physical Science Lab (PL) Course when take concurrently with PHYS 261. If purchasing used books additional software may be required. This can be purchased on the web and the cost is under $10.00

0101	Hailu Gebremariam MWF 10:00am - 10:50am Tu 8:00am - 8:50am	Seats (Total: 25) PHY 1410 PHY 1219	 Discussion
0102	Hailu Gebremariam MWF 10:00am - 10:50am M 3:00pm - 3:50pm	Seats (Total: 25) PHY 1410 PHY 4208	 Discussion
0103	Hailu Gebremariam MWF 10:00am - 10:50am W 11:00am - 11:50am	Seats (Total: 25) PHY 1410 PHY 4208	 Discussion
0104	Hailu Gebremariam MWF 10:00am - 10:50am W 12:00pm - 12:50pm	Seats (Total: 17) PHY 1410 PHY 4208	 Discussion
0105	Hailu Gebremariam MWF 10:00am - 10:50am W 12:00pm - 12:50pm	Seats (Total: 0) PHY 1410 PHY 0405	 Discussion
0201	Kaustubh Agashe TuTh 12:30pm - 1:45pm Tu 11:00am - 11:50am	Seats (Total: 25) PHY 1410 PHY 0405	 Discussion
0202	Kaustubh Agashe TuTh 12:30pm - 1:45pm W 8:00am - 8:50am	Seats (Total: 25) PHY 1410 PHY 0405	 Discussion
0203	Kaustubh Agashe TuTh 12:30pm - 1:45pm W 9:00am - 9:50am	Seats (Total: 25) PHY 1410 PHY 1219	 Discussion
0204	Kaustubh Agashe TuTh 12:30pm - 1:45pm W 10:00am - 10:50am	Seats (Total: 25) PHY 1410 PHY 1219	 Discussion
0205	Kaustubh Agashe TuTh 12:30pm - 1:45pm Tu 4:00pm - 4:50pm	Seats (Total: 25) PHY 1410 PHY 1402	 Discussion

0301	Frederick Wellstood MWF 3:00pm - 3:50pm M 12:00pm - 12:50pm	Seats (Total: 25) PHY 1412 PHY 0405	 Discussion
0302	Frederick Wellstood MWF 3:00pm - 3:50pm Th 11:00am - 11:50am	Seats (Total: 25) PHY 1412 PHY 0405	 Discussion
0303	Frederick Wellstood MWF 3:00pm - 3:50pm F 1:00pm - 1:50pm	Seats (Total: 25) PHY 1412 PHY 0405	 Discussion
0304	Frederick Wellstood MWF 3:00pm - 3:50pm M 11:00am - 11:50am	Seats (Total: 25) PHY 1412 PHY 1219	 Discussion

PHYS261 **General Physics: Vibrations, Waves, Heat, Electricity and Magnetism (Laboratory)**

PHYS261 General Physics: Vibrations, Waves, Heat, Electricity and Magnetism (Laboratory); (1 credit) Grade Method: REG/P-F/AUD.
CORE Physical Science Lab (PL) course only when taken concurrently with PHYS 260. Corequisite: PHYS260. Formerly PHYS262A. Lab includes experiments on mechanics, vibrations, waves, heat, electricity and magnetism. PHYS260 and PHYS261 (lab) must be taken in the same semester and the grade for the courses will be combined into a single grade for both. To pass, students must complete passing work in both PHYS260 and PHYS261. CORE Physical Science Lab (PL) course only when taken concurrently with PHYS 260.

0101	Arthur La Porta W 5:00pm - 7:50pm	Seats (Total: 24) PHY 3219	 Lab
0102	Arthur La Porta M 12:00pm - 2:50pm	Seats (Total: 24) PHY 3219	 Lab
0103	Arthur La Porta M 3:00pm - 5:50pm	Seats (Total: 24) PHY 3219	 Lab
0104	Arthur La Porta Tu 2:00pm - 4:50pm	Seats (Total: 24) PHY 3219	 Lab

0105	Arthur La Porta Tu 9:00am - 11:50am	Seats (Total: 24) PHY 3219	Lab
0106	Arthur La Porta Tu 5:00pm - 7:50pm	Seats (Total: 24) PHY 3219	Lab
0107	Arthur La Porta W 11:00am - 1:50pm	Seats (Total: 24) PHY 3219	Lab
0108	Arthur La Porta W 2:00pm - 4:50pm	Seats (Total: 24) PHY 3219	Lab
0109	Arthur La Porta Th 9:00am - 11:50am	Seats (Total: 24) PHY 3219	Lab
0110	Arthur La Porta Th 3:00pm - 5:50pm	Seats (Total: 24) PHY 3219	Lab
0111	Arthur La Porta Th 6:00pm - 8:50pm	Seats (Total: 24) PHY 3219	Lab

PHYS261M **General Physics: Vibrations, Waves, Heat, Electricity and Magnetism (Laboratory)**

PHYS261M General Physics: Vibrations, Waves, Heat, Electricity and Magnetism (Laboratory); (1 credit) Grade Method: REG/P-F/AUD.
CORE Physical Science Lab (PL) course only when taken concurrently with PHYS 260. Corequisite: PHYS260. Formerly PHYS262A.

0201	Arthur La Porta Contact instructor or department for details.	Seats (Total: 24)

PHYS270 **General Physics: Electrodynamics, Light, Relativity and Modern Physics**

PHYS270 General Physics: Electrodynamics, Light, Relativity and Modern Physics; (3 credits) Grade Method: REG/P-F/AUD.
CORE Physical Science Lab (PL) Course when take concurrently with PHYS 271. Prerequisite: PHYS260, PHYS261 and MATH241. Corequisite: PHYS271. Credit will be granted for only one of the following: PHYS270 and PHYS271 (Formerly: PHYS263) or PHYS273. Formerly PHYS263. Third semester of a three-semester calculus-based general physics course. Electrodynamics, Maxwell's equations and electromagnetic waves, geometrical optics, interference, diffraction, special theory of relativity, and modern physics. PHYS270 and PHYS271 (lab) must be taken in the same semester and the grade for the courses will be combined into a single grade for both. To pass, students must complete passing work in both PHYS270 and PHYS271. CORE Physical Science Lab (PL) Course when take concurrently with PHYS 271. If purchasing used books additional software may be required. This can be purchased on the web and the cost is under $10.00

0101	Konstantinos Papadopoulos MWF 1:00pm - 1:50pm W 2:00pm - 2:50pm	Seats (Total: 25) PHY 1412 PHY 4208	Discussion
0102	Konstantinos Papadopoulos MWF 1:00pm - 1:50pm M 3:00pm - 3:50pm	Seats (Total: 25) PHY 1412 PHY 1219	Discussion
0103	Konstantinos Papadopoulos MWF 1:00pm - 1:50pm W 11:00am - 11:50am	Seats (Total: 25) PHY 1412 PHY 4220	Discussion
0105	Konstantinos Papadopoulos MWF 1:00pm - 1:50pm Th 8:00am - 8:50am	Seats (Total: 25) PHY 1412 PHY 1219	Discussion
0201	Chuan Liu MWF 12:00pm - 12:50pm M 9:00am - 9:50am	Seats (Total: 25) PHY 1410 PHY 4220	Discussion
0202	Chuan Liu MWF 12:00pm - 12:50pm W 9:00am - 9:50am	Seats (Total: 25) PHY 1410 PHY 4220	Discussion

0203	Chuan Liu MWF 12:00pm - 12:50pm M 10:00am - 10:50am	Seats (Total: 25) PHY 1410 PHY 4208	 Discussion
0204	Chuan Liu MWF 12:00pm - 12:50pm M 11:00am - 11:50am	Seats (Total: 25) PHY 1410 PHY 4208	 Discussion
0205	Chuan Liu MWF 12:00pm - 12:50pm W 11:00am - 11:50am	Seats (Total: 25) PHY 1410 PHY 0405	 Discussion
0301	Thomas Cohen TuTh 2:00pm - 3:15pm Th 8:00am - 8:50am	Seats (Total: 25) PHY 1412 PHY 4220	 Discussion
0302	Thomas Cohen TuTh 2:00pm - 3:15pm Th 3:30pm - 4:20pm	Seats (Total: 25) PHY 1412 PHY 1402	 Discussion
0303	Thomas Cohen TuTh 2:00pm - 3:15pm M 1:00pm - 1:50pm	Seats (Total: 25) PHY 1412 PHY 4208	 Discussion
0304	Thomas Cohen TuTh 2:00pm - 3:15pm Th 11:00am - 11:50am	Seats (Total: 25) PHY 1412 PHY 4220	 Discussion
0306	Thomas Cohen TuTh 2:00pm - 3:15pm W 1:00pm - 1:50pm	Seats (Total: 25) PHY 1412 PHY 4208	 Discussion
0401	Hailu Gebremariam M 7:00pm - 8:50pm W 7:00pm - 7:50pm W 8:00pm - 8:50pm	Seats (Total: 30) PHY 1410 PHY 1410 PHY 4220	 Discussion
0402	Hailu Gebremariam M 7:00pm - 8:50pm W 7:00pm - 7:50pm W 6:00pm - 6:50pm	Seats (Total: 30) PHY 1410 PHY 1410 PHY 4220	 Discussion

PHYS271 **General Physics: Electrodynamics, Light, Relativity and Modern Physics (Laboratory)**

PHYS271 General Physics: Electrodynamics, Light, Relativity and Modern Physics (Laboratory); (1 credit) Grade Method: REG/P-F/AUD.
CORE Physical Science Lab (PL) course only when taken concurrently with PHYS 270. Prerequisite: PHYS261. Corequisite: PHYS270. Formerly PHYS263A. Lab includes experiments on ac circuits, magnetism, light and modern physics. PHYS270 and PHYS271 (lab) must be taken in the same semester and the grade for the courses will be combined into a single grade for both. To pass, students must complete passing work in both PHYS270 and PHYS271. CORE Physical Science Lab (PL) course only when taken concurrently with PHYS 270.

0102	Arthur La Porta M 9:00am - 11:50am	Seats (Total: 24) PHY 3220	Lab
0103	Arthur La Porta M 12:00pm - 2:50pm	Seats (Total: 24) PHY 3220	Lab
0104	Arthur La Porta M 3:00pm - 5:50pm	Seats (Total: 24) PHY 3220	Lab
0105	Arthur La Porta Tu 8:00am - 10:50am	Seats (Total: 24) PHY 3220	Lab
0106	Arthur La Porta M 6:00pm - 8:50pm	Seats (Total: 24) PHY 3220	Lab
0107	Arthur La Porta Tu 11:00am - 1:50pm	Seats (Total: 24) PHY 3220	Lab
0108	Arthur La Porta Tu 4:00pm - 6:50pm	Seats (Total: 24) PHY 3220	Lab
0109	Arthur La Porta W 5:00pm - 8:00pm	Seats (Total: 24) PHY 3220	
0110	Arthur La Porta Th 4:00pm - 6:50pm	Seats (Total: 24) PHY 3220	

0112	Arthur La Porta W 2:00pm - 4:50pm	Seats (Total: 24) PHY 3220	Lab
0114	Arthur La Porta Th 9:00am - 11:50am	Seats (Total: 24) PHY 3220	Lab
0116	Arthur La Porta Th 1:00pm - 3:50pm	Seats (Total: 24) PHY 3220	Lab
0120	Arthur La Porta Th 7:00pm - 9:50pm	Seats (Total: 24) PHY 3220	Lab
0121	Arthur La Porta Tu 7:00pm - 9:50pm	Seats (Total: 24) PHY 3220	Lab
0122	Arthur La Porta W 8:00am - 10:50am	Seats (Total: 24) PHY 3220	Lab

PHYS271M **General Physics: Electrodynamics, Light, Relativity and Modern Physics (Laboratory)**

PHYS271M General Physics: Electrodynamics, Light, Relativity and Modern Physics (Laboratory); (1 credit) Grade Method: REG/P-F/AUD.
CORE Physical Science Lab (PL) course only when taken concurrently with PHYS 270. Prerequisite: PHYS261. Corequisite: PHYS270. Formerly PHYS263A.

0201	Arthur La Porta Contact instructor or department for details.	Seats (Total: 24)

PHYS272 **Introductory Physics: Fields**

PHYS272 Introductory Physics: Fields; (3 credits) Grade Method: REG/P-F/AUD.
CORE Distributive Studies Physical Sciences Laboratory Course only when taken concurrently with PHYS 275. Prerequisites: (PHYS171 or PHYS161) and MATH141. Corequisite: MATH241. Credit will be granted for only one of the following: PHYS272 or PHYS260 and PHYS261 (Formerly: PHYS262) or PHYS142. Second semester of a calculus based general physics course. Universal gravitation, electric and magnetic fields and potentials, simple circuits, Maxwell's equations in integral form. Continues the application of mathematics to conceptual models, now with more abstract components.

0101	Carter Hall TuTh 12:30pm - 1:45pm F 12:00pm - 12:50pm	Seats (Total: 49) PHY 1402 PHY 1201

PHYS272H **Introductory Physics: Fields**

PHYS272H *(PermReq)* **Introductory Physics: Fields; (3 credits)** Grade Method: REG/P-F/AUD.
CORE Distributive Studies Physical Sciences Laboratory Course only when taken concurrently with PHYS 275. Prerequisites: (PHYS171 or PHYS161) and MATH141. Corequisite: MATH241. Credit will be granted for only one of the following: PHYS272 or PHYS260 and PHYS261 (Formerly: PHYS262) or PHYS142. For general honors students only. Also offered as PHYS272.

0101	Carter Hall TuTh 12:30pm - 1:45pm F 12:00pm - 12:50pm	Seats (Total: 49) PHY 1402 PHY 1201

PHYS273 **Introductory Physics: Waves**

PHYS273 Introductory Physics: Waves; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisites: PHYS272, and MATH241. Corequisites: MATH246 or MATH414. Credit will be granted for only one of the following: PHYS270 and PHYS271 (Formerly: PHYS263) or PHYS273. Oscillations and AC circuits using complex variables, Fourier series and integrals, waves on strings, sound; electromagnetic waves from Maxwell's equations in differential form; physical optics. Also offered as PHYS273H.

0101	Kara Hoffman TuTh 9:30am - 10:45am F 9:00am - 9:50am	Seats (Total: 49) PHY 1410 CHM 0115

PHYS273H **Introductory Physics: Waves**

PHYS273H *(PermReq)* **Introductory Physics: Waves; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisites: PHYS272, and MATH241. Corequisites: MATH246 or MATH414. Credit will be granted for only one of the following: PHYS270 and PHYS271 (Formerly: PHYS263) or PHYS273. For general honors students only. Also offered as PHYS273.

0101	Kara Hoffman TuTh 9:30am - 10:45am F 9:00am - 9:50am	Seats (Total: 49) PHY 1410 CHM 0115	

PHYS275 **Experimental Physics I: Mechanics and Heat**

PHYS275 *(PermReq)* **Experimental Physics I: Mechanics and Heat; (2 credits)** Grade Method: REG/P-F/AUD.
CORE Distributive Studies Physical Sciences Laboratory Course only when taken concurrently with PHYS272. Prerequisites: (PHYS171 or PHYS161) and PHYS174. Corequisite: PHYS272. Methods and rationale of experimental physics. Intended for physics majors and science and engineering students who desire a more rigorous approach. Experiments chosen from the areas of mechanics (from PHYS171), gas laws, and heats. Theory and applications of error analysis. CORE Physical Science Lab (PL) Course only when taken concurrently with PHYS272.

0101	George Goldenbaum W 2:00pm - 5:50pm	Seats (Total: 10) PHY 3203	Lab
0201	George Goldenbaum M 1:00pm - 4:50pm	Seats (Total: 10) PHY 3203	Lab
0301	Douglas Roberts Tu 2:00pm - 5:50pm	Seats (Total: 10) PHY 3203	Lab
0401	Douglas Roberts Th 2:00pm - 5:50pm	Seats (Total: 10) PHY 3203	Lab

PHYS276 **Experimental Physics II: Electricity and Magnetism**

PHYS276 *(PermReq)* **Experimental Physics II: Electricity and Magnetism; (2 credits)** Grade Method: REG/P-F/AUD.
Prerequisites: PHYS272 and PHYS275. Credit will be granted for only one of the following: PHYS276 or former PHYS295. Second course in the three semester introductory sequence. Methods and rationale of experimental physics. Experiments chosen from the fields of electricity and magnetism including electrostatics, magnetostatics, magnetic induction, AC circuits.

0101	Richard Ellis M 2:00pm - 5:50pm	Seats (Total: 12) PHY 3120	Lab

0201	Richard Ellis Tu 1:00pm - 4:50pm	Seats (Total: 12) PHY 3120	Lab
0301	Abolhassan Jawahery Th 2:00pm - 5:50pm	Seats (Total: 12) PHY 3120	

PHYS299 **Special Problems in Physics**

PHYS299 *(PermReq)* **Special Problems in Physics; (1-6 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

PHYS299G **Superstring/M-Theory: The DNA of Reality?**

PHYS299G Superstring/M-Theory: The DNA of Reality?; (3 credits) Grade Method: REG/P-F/AUD. CORE Physical Science (PS) Course.

0101	Sylvester Gates TuW 3:00pm - 4:15pm	Seats (Total: 20) PHY 1219	

PHYS374 **Intermediate Theoretical Methods**

PHYS374 Intermediate Theoretical Methods; (4 credits) Grade Method: REG/P-F/AUD.
Prerequisites: PHYS273 and MATH246. Corequisite: MATH240. Introduces or reviews areas of mathematics that are regularly used in upper level and graduate courses in physics, including important areas from complex variables, Fourier analysis, partial differential equations and eigenvalue problems. These methods will be studied in the context of relevant physics applications. A current standard symbolic manipulation program will be introduced and its appropriate use in theoretical analyses will be taught.

0101	Stephen Wallace TuTh 2:00pm - 3:15pm W 4:00pm - 4:50pm	Seats (Total: 42) PHY 1402 PHY 1402	

PHYS375 **Experimental Physics III: Electromagnetic Waves, Optics and Modern Physics**

PHYS375 *(PermReq)* **Experimental Physics III: Electromagnetic Waves, Optics and Modern Physics; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisites: PHYS273 and PHYS276. Credit will be granted for only one of the following: PHYS375 or former PHYS296. Third course in the three-semester introductory sequence. Methods and rationale of experimental physics. Experiments chosen from the areas of electromagnetic waves, optics and modern physics.

0101	Robert Gammon W 2:00pm - 5:50pm	Seats (Total: 10) PHY 3104	
0201	Wendell Hill M 2:00pm - 5:50pm	Seats (Total: 10) PHY 3104	Lab
0301	Wendell Hill Tu 2:00pm - 5:50pm	Seats (Total: 10) PHY 3104	Lab

PHYS386 **Experiential Learning**

PHYS386 *(PermReq)* **Experiential Learning; (3-6 credits)** Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: Learning Proposal approved by the Office of Experiential Learning Programs, faculty sponsor, and student's internship sponsor. Junior standing.

Contact department for information to register for this course.

PHYS389 **Undergraduate Thesis Research**

PHYS389 *(PermReq)* **Undergraduate Thesis Research; (1-6 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

PHYS398 **Independent Studies Seminar**

PHYS398 *(PermReq)* **Independent Studies Seminar; (1-16 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

PHYS399 **Special Problems in Physics**

PHYS399 *(PermReq)* **Special Problems in Physics; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

PHYS401 **Quantum Physics I**

PHYS401 Quantum Physics I; (4 credits) Grade Method: REG/P-F/AUD.
Prerequisite: PHYS273. Corequisites: PHYS374 and MATH240. Credit will be granted for only one of the following: PHYS401 or PHYS421. Formerly PHYS421. Introduces some quantum phenomena leading to wave-particle duality. Schroedinger theory for bound states and scattering in one dimension. One-particle Schroedinger equation and the hydrogen atom.

0101	Dieter Brill	Seats (Total: 30)
	M 3:00pm - 4:50pm	PHY 1402
	WF 3:00pm - 3:50pm	PHY 1402

PHYS402 **Quantum Physics II**

PHYS402 Quantum Physics II; (4 credits) Grade Method: REG/P-F/AUD.
Prerequisites: PHYS401, and PHYS374, and MATH240. Credit will be granted for only one of the following: PHYS402 or former PHYS422. Formerly PHYS422. Quantum states as vectors; spin and spectroscopy, multiparticle systems, the periodic table, perturbation theory, band structure, etc.

0101	Steven Anlage	Seats (Total: 68)
	MWF 9:00am - 9:50am	PHY 1201
	W 10:00am - 10:50am	PHY 1201

PHYS404 **Introduction to Statistical Thermodynamics**

PHYS404 Introduction to Statistical Thermodynamics; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisites: PHYS273 or equivalent, and MATH241. Credit will be granted for only one of the following: PHYS404 or former PHYS414. Formerly PHYS414. Introduction to basic concepts in thermodynamics and statistical mechanics.

0101	Theodore Einstein TuTh 12:30pm - 1:45pm	Seats (Total: 55) PHY 1201	

PHYS405 **Advanced Experiments**

PHYS405 Advanced Experiments; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: PHYS375. For PHYS majors only. Formerly PHYS395.* Advanced laboratory techniques. Selected experiments from many fields of modern physics. Emphasis on self-study of the phenomena, data analysis, and presentation in report form.

0101	Andris Skuja, Elizabeth Beise W 12:00pm - 12:50pm TBA	Seats (Total: 14) PHY 1219 PHY 3112	 Lab Lab
0102	Andris Skuja, Elizabeth Beise W 12:00pm - 12:50pm TBA	Seats (Total: 14) PHY 1219 PHY 3112	 Lab Lab

PHYS410 **Classical Mechanics**

PHYS410 Classical Mechanics; (4 credits) Grade Method: REG/P-F/AUD. *Prerequisite: PHYS374.* Theoretical foundations of mechanics with extensive application of the methods. Various mathematical tools of theoretical physics.

0101	Alessandra Buonanno MW 11:00am - 11:50am F 10:00am - 11:50am	Seats (Total: 44) PHY 1402 PHY 1402	

PHYS411 **Intermediate Electricity and Magnetism**

PHYS411 Intermediate Electricity and Magnetism; (4 credits) Grade Method: REG/P-F/AUD.
Prerequisite: PHYS374. Foundations of electromagnetic theory, with extensive applications of the methods. Thorough treatment of wave properties of solutions of Maxwell's equations.

0101	Theodore Jacobson TuTh 9:30am - 10:45am M 10:00am - 10:50am	Seats (Total: 40) PHY 4220 PHY 1201	

PHYS420 **Principles of Modern Physics**

PHYS420 Principles of Modern Physics; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: (PHYS270 and PHYS271 {formerly: PHYS263} or PHYS273); and MATH246.* A survey of atomic and nuclear phenomena and the main trends in modern physics. Appropriate for students in engineering and other physical sciences.

0101	James Anderson TuTh 3:30pm - 4:45pm	Seats (Total: 40) PHY 0405	

PHYS441 **Topics in Nuclear and Particle Physics**

PHYS441 Topics in Nuclear and Particle Physics; (3 credits) Grade Method: REG. *Prerequisite: PHYS401 or PHYS402; and PHYS411; or permission of instructor. Corequisite: PHYS402.* A survey of concepts in particle and nuclear physics, with a topical emphasis on the impact of the Weak Interaction and the discovery of Parity Violation.

0101	Luis Orozco TuTh 9:30am - 10:45am	Seats (Total: 25) PHY 1304	

PHYS485 **Electronic Circuits**

PHYS485 Electronic Circuits; (4 credits) Grade Method: REG/P-F/AUD. *Prerequisite: PHYS405. Corequisite: PHYS301 or PHYS374.* Theory and application to experimental physics of modern semiconductor analog and digital circuits. Emphasis on understanding passive and active elements in practical circuits. Topics span the range from simple transistor circuits to microcomputers.

0101	Michael Coplan M 2:00pm - 3:50pm W 1:00pm - 4:50pm	Seats (Total: 2) PHY 4220 PHY 3321	 Lab
0102	Michael Coplan M 2:00pm - 3:50pm Th 1:00pm - 4:50pm	Seats (Total: 2) PHY 4220 PHY 3321	 Lab

PHYS499A **Special Problems in Physics**

PHYS499A *(PermReq)* **Special Problems in Physics; (1-6 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

PHYS499B **Special Problems in Physics**

PHYS499B *(PermReq)* **Special Problems in Physics; (1-16 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

PHYS499G **Special Problems in Physics; Seminar in Superstring/M-Theory: DNA of Reality**

PHYS499G Special Problems in Physics: Seminar in Superstring/M-Theory: DNA of Reality; (3 credits) Grade Method: REG/P-F/AUD.

0101	Sylvester Gates	Seats (Total: 15)	
	TuW 3:00pm - 4:15pm	PHY 1219	

PHYS499M **Special Problems in Physics; Physics, Material Chemistry and Device Applications at the Nanoscale**

PHYS499M Special Problems in Physics: Physics, Material Chemistry and Device Applications at the Nanoscale; (3 credits) Grade Method: REG/P-F/AUD.

0101	Min Ouyang	Seats (Total: 10)	
	Tu 2:00pm - 5:00pm	KEB 1135	Lab

PHYS603 **Methods of Statistical Physics**

PHYS603 *(PermReq)* **Methods of Statistical Physics; (3 credits)** Grade Method: REG/AUD.
Prerequisite: PHYS 414 or equivalent. Credit will be granted for only one of the following: PHYS 602 or PHYS 603. Foundations and applications of thermodynamics and statistical mechanics. Advanced special students require department authorization. Also offered as CHPH718F.

0101	Theodore Kirkpatrick	Seats (Total: 60)	
	TuTh 9:30am - 10:45am	PHY 1201	

PHYS606 **Electrodynamics**

PHYS606 *(PermReq)* **Electrodynamics; (4 credits)** Grade Method: REG/AUD. *Prerequisite: PHYS 604 or equivalent.* Classical electromagnetic theory, electro- and magnetostatics, Maxwell equations, waves and radiation, special relativity. Advanced special students require department authorization.

0101	Paulo Bedaque	Seats (Total: 60)	
	MW 2:00pm - 3:40pm	SYM 0200	

PHYS621 **Graduate Laboratory**

PHYS621 *(PermReq)* **Graduate Laboratory; (3 credits)** Grade Method: REG/AUD. *Prerequisite: PHYS 405 or equivalent.* Design and performance of advanced experiments in modern and classical physics. Advanced special students require department authorization.

0101	Simone-Gunde Kulin	Seats (Total: 10)	
	MW 10:00am - 12:50pm	PHY 3333	Lab

PHYS623 **Introduction to Quantum Mechanics II**

PHYS623 *(PermReq)* **Introduction to Quantum Mechanics II; (3 credits)** Grade Method: REG/AUD.
Prerequisite: an outstanding undergraduate background in physics. First and second semesters. A study of the Schroedinger equation, matrix formulations of quantum mechanics, approximation methods, scattering theory etc., and applications to solid state, atomic, and nuclear physics. Continuation of PHYS 622. Advanced special students require department authorization.

0101	Oscar Greenberg	Seats (Total: 52)	
	MWF 9:00am - 9:50am	CHM 0127	

PHYS625 **Non-relativistic Quantum Mechanics**

PHYS625 Non-relativistic Quantum Mechanics; (3 credits) Grade Method: REG/AUD.
Prerequisite: PHYS 623. Non-relativistic second quantization, single particle Green's function, perturbation theory, linked cluster expansion, Feynman and Goldstone diagrams; applications to imperfect Fermi gases; superconductivity.

0101	Victor Galitskiy MW 12:30pm - 1:45pm	Seats (Total: 15) PHY 4220	

PHYS685 **Research Electronics**

PHYS685 *(PermReq)* **Research Electronics; (4 credits)** Grade Method: REG.
Prerequisite: equivalent of PHYS405 and PHYS301 or PHYS374 not open to undergraduate students who have completed PHYS485. Credit will be granted for only one of the following: PHYS485 or PHYS685. An integrated lecture and laboratory course in electronics with equal emphasis on experimental methods and results and analysis using device models and up-to-date mathematical and numerical tools. Experiments and analysis of circuits with passive and single active devices form the background for the study of operational amplifiers, digital integrated circuits and systems, and microcomputers. The general topics of impedance matching, frequency response, feedback, interfacing and the extraction of signal from noise are stressed.

0101	Michael Coplan M 2:00pm - 3:50pm W 1:00pm - 4:50pm	Seats (Total: 10) PHY 4220 PHY 3321	 Lab
0102	Michael Coplan M 2:00pm - 3:50pm Th 1:00pm - 4:50pm	Seats (Total: 10) PHY 4220 PHY 3321	 Lab

PHYS708 **Seminar in Teaching College Physics**

PHYS708 Seminar in Teaching College Physics; (1 credit) Grade Method: REG/AUD.

0101	David Hammer Th 4:00pm - 5:00pm	Seats (Total: 15) PHY 4208

PHYS709 **Seminar in General Physics; Statistical Physics**

PHYS709 Seminar in General Physics: Statistical Physics; (1 credit) Grade Method: REG/AUD.
Advanced special students require department authorization. Also offered as CHPH 709B.

0101	John Weeks W 4:00pm - 6:00pm	Seats (Total: 20) HJP 2242

PHYS726 **Research Group Rotation in Quantum Optical Information**

PHYS726 Research Group Rotation in Quantum Optical Information; (2 credits) Grade Method: REG/AUD.
Prerequisite: permission of department. The purpose of this course is to familiarize students with the research groups carrying out research on quantum optical information in the Physics Department. Students spend the semester in two half-semester rotations, working with two different groups in the physics department that are actively involved with quantum information using optics. They should plan to be at the University at least three hours a week. At the end of each rotation they make a public presentation and prepare a web page with their results.

0101	Luis Orozco Tu 3:00pm - 4:50pm	Seats (Total: 15) PHY 1305

PHYS728 **Seminar in Atomic and Molecular Physics**

PHYS728 Seminar in Atomic and Molecular Physics; (1 credit) Grade Method: REG/AUD.

0101	Luis Orozco M 12:30pm - 1:50pm	Seats (Total: 30) PHY 1201

PHYS738 **Seminar in Experimental Solid State Physics; Quantum Mechanical Many-Body Problems**

PHYS738 Seminar in Experimental Solid State Physics: Quantum Mechanical Many-Body Problems; (1 credit) Grade Method: REG/AUD.
Advanced special students require department authorization.

0101	Min Ouyang Th 2:00pm - 3:30pm	Seats (Total: 30) PHY 1201

PHYS739 **Seminar in Theoretical Solid State Physics; Quantum Mechanical Many-Body Problems**

PHYS739 Seminar in Theoretical Solid State Physics: Quantum Mechanical Many-Body Problems; (1 credit) Grade Method: REG/AUD.
Advanced special students require department authorization.

0101	Victor Galitskiy	Seats (Total: 30)
	Th 2:00pm - 3:30pm	PHY 1201

PHYS741 **Nuclear Physics: Survey**

PHYS741 Nuclear Physics: Survey; (3 credits) Grade Method: REG/AUD.
Prerequisites: PHYS 622; and PHYS 623. An introductory survey of nuclear physics, including the following topics: properties of the two-nucleon force and the most popular phenomenological potentials; properties of nuclei including radii, shapes and charge distributions; introduction to nuclear structure models, including collective, independent particle, and shell model; basic features of radioactivity including weak interactions and alpha decay; introduction to nuclear reactions, including phenomenological optical potentials and distorted wave approximations.

0101	Xiangdong Ji	Seats (Total: 30)
	TuTh 9:30am - 10:45am	PHY 1402

PHYS749 **Seminar in Theoretical Nuclear Physics; Seminar in Nuclear Physics**

PHYS749 Seminar in Theoretical Nuclear Physics: Seminar in Nuclear Physics; (1 credit) Grade Method: REG/AUD.
Advanced special students require department authorization.

0101	James Griffin, Xiangdong Ji, Thomas Cohen, Stephen Wallace	Seats (Total: 30)
	W 1:00pm - 2:50pm	PHY 1402

PHYS752 **Elementary Particle Physics II: Theory**

PHYS752 Elementary Particle Physics II: Theory; (3 credits) Grade Method: REG/AUD.
Prerequisites: {PHYS 624; and PHYS 751}. Survey of elementary particles and their properties, quantum field theory, meson theory, weak interactions, possible extensions of elementary particle theory.

0101	Zackaria Chacko	Seats (Total: 10)
	MWF 11:00am - 11:50am	PHY 4102

PHYS758E **Seminar in Elementary Particles and Quantum Field Theory; Experimental Results Including Cosmic Ray Physics**

PHYS758E Seminar in Elementary Particles and Quantum Field Theory: Experimental Results Including Cosmic Ray Physics; (1 credit) Grade Method: REG/AUD.

0101	Douglas Roberts	Seats (Total: 25)
	W 4:00pm - 5:30pm	PHY 4220

PHYS759 **Seminar in Elementary Particles and Quantum Field Theory**

PHYS759 Seminar in Elementary Particles and Quantum Field Theory; (1 credit) Grade Method: REG/AUD.
Advanced special students require department authorization.

0101	Rabindra Mohapatra	Seats (Total: 27)
	M 2:00pm - 3:00pm	PHY 4102

PHYS762 **Plasma Physics II**

PHYS762 Plasma Physics II; (3 credits) Grade Method: REG/AUD.
Continuation of PHYS 761. Vlasov theory, including waves, stability, and weak turbulence, kinetic equation theories of correlations and radiative processes.

0101	James Drake	Seats (Total: 20)
	TuTh 2:00pm - 3:15pm	PLS 1168

PHYS769 **Seminar in Plasma Physics; Plasma Physics Research**

PHYS769 Seminar in Plasma Physics: Plasma Physics Research; (1 credit)
Grade Method: REG/AUD.
Advanced special students require department authorization.

0101	Adil Hassam	Seats (Total: 20)
	W 3:45pm - 5:00pm	PHY 4208

PHYS778 **Seminar in Space and Cosmic Ray Physics**

PHYS778 Seminar in Space and Cosmic Ray Physics; (1 credit) Grade Method: REG/AUD.
Advanced special students require department authorization.

0101	Douglas Hamilton	Seats (Total: 15)
	M 4:30pm - 5:45pm	CSS 2400

PHYS779A **Seminar in General Relativity**

PHYS779A Seminar in General Relativity; (1 credit) Grade Method: REG/AUD.

0101	Bei Lok Hu	Seats (Total: 10)
	Th 2:00pm - 3:00pm	PHY 4102

PHYS798 **Special Problems in Advanced Physics**

PHYS798 *(PermReq)* **Special Problems in Advanced Physics; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

PHYS798B **Special Problems in Advanced Physics; Physics Colloquium**

PHYS798B Special Problems in Advanced Physics: Physics Colloquium; (1 credit) Grade Method: REG/AUD.

0101	Nicholas Hadley	Seats (Total: 100)
	Tu 4:00pm - 5:30pm	PHY 1410

PHYS798D **Special Problems in Advanced Physics; Applied Dynamics Seminar**

PHYS798D Special Problems in Advanced Physics: Applied Dynamics Seminar; (1-3 credits) Grade Method: REG/AUD.

0101	Edward Ott Th 12:00pm - 1:30pm	Seats (Total: 10) ERF 1207

PHYS798L **Special Problems in Advanced Physics; Biophysics**

PHYS798L Special Problems in Advanced Physics: Biophysics; (1 credit) Grade Method: REG/AUD.
Also offered as CHPH709L.

0101	Arpita Upadhyaya M 4:00pm - 5:30pm	Seats (Total: 10) IPT 1116

PHYS798N **Special Problems in Advanced Physics; Basic Biophysics for Motion in Cells**

PHYS798N Special Problems in Advanced Physics: Basic Biophysics for Motion in Cells; (3 credits) Grade Method: REG/AUD.
Also offered as CHPH718N.

0101	Michael Fisher TuTh 9:30am - 10:45am	Seats (Total: 30) IPST 1116

PHYS799 **Master's Thesis Research**

PHYS799 *(PermReq)* **Master's Thesis Research; (1-6 credits)** Grade Method: REG.
Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

PHYS838A **Special Topics in Experimental Solid State Physics; Methods of Surface Physics**

PHYS838A Special Topics in Experimental Solid State Physics: Methods of Surface Physics; (2 credits) Grade Method: REG/AUD.
Also offered as CHPH718A.

0101	Ellen Williams M 12:00pm - 1:00pm F 3:00pm - 5:00pm	Seats (Total: 3) PHY 2120 PHY 2120

PHYS838C **Special Topics in Experimental Solid State Physics; Center for Nanophysics and Advanced Materials Seminar**

PHYS838C Special Topics in Experimental Solid State Physics: Center for Nanophysics and Advanced Materials Seminar; (2 credits) Grade Method: REG/AUD.

0101	Richard Greene	Seats (Total: 30)
	M 4:00pm - 6:00pm	PHY 1201

PHYS839A **Special Topics in Theoretical Solid State Physics**

PHYS839A Special Topics in Theoretical Solid State Physics; (1-4 credits) Grade Method: REG/AUD.

0101	Sankar Das Sarma	Seats (Total: 10)
	Contact instructor or department for details.	

PHYS898 **Pre-Candidacy Research**

PHYS898 *(PermReq)* **Pre-Candidacy Research; (1-8 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

PHYS899 **Doctoral Dissertation Research**

PHYS899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Physics Colloquium meets Tu 4-5:30 in PHY 1410 and PHY 1412. Physics Journal Club meets Th 4-5:30 in PHY 1410.

Contact department for information to register for this course.

PLSC Plant Sciences Spring 2009

PLSC100 **Introduction to Horticulture**

Courses formerly listed under the heading Natural Resource Sciences (NRSC) can now be found under two different program prefixes.
NRSC courses about Plants are now offered by the Department of Plant Science and Landscape Architecture and can be found under "PLSC".
NRSC courses about Soils are now offfered by the Department of Environmental Science and Technology and can be found under "ENST".
Thank you for your interest!

PLSC100 Introduction to Horticulture; (4 credits) Grade Method: REG/P-F/AUD. CORE Life Science Lab (LL) Course.

An overview to the art and science of horticulture. Relationships between plant science and plant production, the use of horticultural plants and plant stress as influenced by cultural practices. Students must pay a $50.00 Laboratory Materials fee.

0101	Christopher Walsh	Seats (Total: 24)	
	MW 11:00am - 11:50am	EGR 1202	
	M 2:00pm - 3:50pm	PLS 1153	Lab
	M 1:00pm - 1:50pm	PLS 1153	Discussion
0102	Christopher Walsh	Seats (Total: 24)	
	MW 11:00am - 11:50am	EGR 1202	
	Tu 1:30pm - 3:20pm	PLS 1153	Lab
	Tu 12:30pm - 1:20pm	PLS 1153	Discussion
0103	Christopher Walsh	Seats (Total: 24)	
	MW 11:00am - 11:50am	EGR 1202	
	W 2:00pm - 3:50pm	PLS 1153	Lab
	W 1:00pm - 1:50pm	PLS 1153	Discussion
0104	Christopher Walsh	Seats (Total: 24)	
	MW 11:00am - 11:50am	EGR 1202	
	Th 1:30pm - 3:20pm	PLS 1153	Lab
	Th 12:30pm - 1:20pm	PLS 1153	Discussion
0105	Christopher Walsh	Seats (Total: 24)	
	MW 11:00am - 11:50am	EGR 1202	
	Tu 10:30am - 12:20pm	PLS 1153	Lab
	Tu 9:30am - 10:20am	PLS 1153	Discussion

0106	Christopher Walsh	Seats (Total: 24)	
	MW 11:00am - 11:50am Th 10:30am - 12:20pm Th 9:30am - 10:20am	EGR 1202 PLS 1153 PLS 1153	 Lab Discussion
0107	Christopher Walsh	Seats (Total: 24)	
	MW 11:00am - 11:50am F 10:00am - 11:50am F 9:00am - 9:50am	EGR 1202 PLS 1153 PLS 1153	 Lab Discussion

PLSC203 **Plants, Genes and Biotechnology**

PLSC203 Plants, Genes and Biotechnology; (3 credits) Grade Method: REG/P-F/AUD. CORE Life Science (LS) Course.
Prerequisite: BSCI103 or BSCI105. Not open to students who have completed NRSC203. Formerly NRSC203. An overview of the history, genetics, and reproductive mechanisms for agronomic and horticultural plants that examines mechanisms of genetic improvement ranging from traditional plant breeding to tissue culture and genetic engineering. Social and political issues such as germplasm preservation and international intellectual property rights will also be discussed.

0101	Jose Costa	Seats (Total: 24)	
	TuTh 2:00pm - 3:15pm	PLS 1115	

PLSC254 **Woody Plants for Mid-Atlantic Landscape II**

PLSC254 Woody Plants for Mid-Atlantic Landscape II; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: PLSC100 and PLSC253; or permission of instructor. A field and laboratory study of trees, shrubs, and vines used in ornamental plantings. Major emphasis is placed on introduced and evergreen plant materials.

0101	Karen Petroff	Seats (Total: 24)	
	MF 1:00pm - 1:50pm F 2:00pm - 4:50pm	PLS 1140 PLS 1153	 Lab
0102	Karen Petroff	Seats (Total: 24)	
	MF 1:00pm - 1:50pm F 2:00pm - 4:50pm	PLS 1140 PLS 1140	 Lab

PLSC271 **Plant Propagation**

PLSC271 Plant Propagation; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisites: BSCI105 and PLSC100. A study of the principles and practices in the propagation of plants.

0101	Gary Coleman	Seats (Total: 12)	
	W 1:00pm - 2:50pm	PLS 1162	
	W 3:00pm - 4:50pm	PLS 1162	Lab

PLSC272 **Principles of Arboriculture**

PLSC272 Principles of Arboriculture; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: NRSC171 and PLSC100. Recommended: ENST200. Not open to students who have completed NRSC272. Formerly NRSC272. The establishment and maintenance of healthy trees in an urban setting will be studied. Lectures will focus on the environmental constraints to tree development in the city, and the role of physiological processes in regulating tree vigor. Laboratory exercises will cover the unique aspects of urban soils, tree valuation procedures, pruning and training, and supervised climbing.

0101	Kenneth Ingram	Seats (Total: 20)	
	WF 9:00am - 9:50am	JUL 1123	
	F 10:00am - 11:50am	JUL 1123	Lab

PLSC321 **Landscape Structures and Materials**

PLSC321 Landscape Structures and Materials; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: PLSC320. Also offered as LARC321. Credit will be granted for only one of the following: LARC321, or PLSC321. An examination of the use, properties, and detailing of materials used in landscape construction. The use and design of structures in the landscape.

0101	Dennis Nola	Seats (Total: 20)	
	TuTh 9:30am - 10:45am	PLS 1130	
	Th 11:00am - 12:15pm	PLS 1142	Lab

PLSC388 **Honors Thesis Research**

PLSC388 Honors Thesis Research; (3-6 credits) Grade Method: REG/P-F/AUD.

0101	Margaret Palmer	Seats (Total: 10)
	Contact instructor or department for details.	
	Contact instructor or department for details.	

PLSC399 **Special Problems in Plant Science**

PLSC399 Special Problems in Plant Science; (1-3 credits) Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

PLSC400 **Environmental Plant Physiology**

PLSC400 Environmental Plant Physiology; (4 credits) Grade Method: REG/P-F/AUD.
Not open to students who have completed NRSC401. Formerly NRSC401. An introduction to the basic physical and physiological principles necessary for understanding the interactions between plants and their environment. The overall objective is to understand plant responses and adaptions to the environment and the ecological relevance of these responses.

0101	Joseph Sullivan	Seats (Total: 24)	
	TuTh 11:00am - 12:15pm	PLS 1119	
	Th 12:30pm - 3:20pm	RGC 1111	Lab

PLSC407 **Advanced Crop Science**

PLSC407 Advanced Crop Science; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: BSCI105 and PLSC101. A study of principles of production for forage crops, corn, small grains, rice, millets, sorghums, soybeans and other oil seed crops. Their seed production, processing, distribution and the current federal and state seed control programs for these agronomic crops will also be discussed.

0101	Donald Glenn	Seats (Total: 20)
	MWF 12:00pm - 12:50pm	HJP 1104

PLSC410 **Commercial Turf Maintenance and Production**

PLSC410 Commercial Turf Maintenance and Production; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: PLSC305 or permission of department. Agronomic programs and practices used in hydroseeding, commercial lawn care, sod production and seed production. Current environmental, regulatory and business management issues confronting the turfgrass industry.

0101	Mark Carroll	Seats (Total: 20)	
	TuTh 2:00pm - 3:15pm	HJP 1104	
	Th 3:30pm - 4:45pm	HJP 1104	Discussion

PLSC452 **Principles of Landscape Establishment and Maintenance**

PLSC452 Principles of Landscape Establishment and Maintenance; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisites: PLSC202, PLSC253, and PLSC254. For NRSC majors only. Establishment and maintenance of landscape plants, stressing the physiological determinants of recommended practices.

0101	Steven Cohan	Seats (Total: 20)	
	MW 12:00pm - 12:50pm	PLS 1113	
	W 1:00pm - 3:50pm	PLS 1113	Lab

PLSC460 **Application of Knowledge in Plant Sciences**

PLSC460 Application of Knowledge in Plant Sciences; (3 credits) Grade Method: REG/P-F/AUD. CORE Capstone (CS) Course.
Prerequisite: PLSC100 or PLSC101; or permission of instructor. Recommended: ENST200, ENGL393 or equivalent and PLSC389 or PLSC399. Senior standing in Plant Sciences major or in another related major. A capstone course based on interactions with plant science professionals and student-led class discussions. Students will apply their knowledge and experience to practical issues in the discipline, further development critical thinking ability, and enhance their communication, teamwork, and professional skills. Topics will include nutrient management, integrated pest management, plant interactions with urban and rural ecosystems, planning of public grounds, plant biotechnology, and teaching skills.

0101	John Lea-Cox, Donald Glenn, Steven Cohan	Seats (Total: 25)	
	Tu 12:30pm - 3:20pm	PLS 1172	

PLSC461 **Cultural Management of Nursery and Greenhouse Systems: Substrates**

PLSC461 Cultural Management of Nursery and Greenhouse Systems: Substrates; (1 credit) Grade Method: REG/P-F/AUD.
Credit will be granted for only one of the following: PLSC461 or PLSC489T. Formerly PLSC489T. The management techniques used in the intensive culture of plants in commercial operations will be covered. Topics included are the composition, handling, physical and chemical properties of substrates and how they should be managed to maximize plant growth. The course delivery method is primarily online, but a four hour face-to-face lecture/lab will be held at the end of the module.

0101	Andrew Ristvey, John Lea-Cox **Meets January 21, 2009 - February 21, 2009** Contact instructor or department for details.	Seats (Total: 15)

PLSC462 **Cultural Management of Nursery and Greenhouse Systems; Irrigation**

PLSC462 Cultural Management of Nursery and Greenhouse Systems; Irrigation; (1 credit) Grade Method: REG/P-F/AUD.
Credit will be granted for only one of the following: PLSC462 and PLSC489W. Formerly PLSC489W. The management techniques used in the intensive culture of plants in commercial operations will be covered. Topics included are water quantity and quality issues, water supply (basic hydraulics), irrigation system evaluation (performance) to maximize water application effiency. The course delivery method is primarily online, but a four hour face-to-face lecture/lab will be held at the end of the module.

0101	John Lea-Cox, David Ross **Meets February 22, 2009 - March 21, 2009** Contact instructor or department for details.	Seats (Total: 15)

PLSC463 **Cultural Management of Nursery and Greenhouse Systems: Surface Water**

PLSC463 Cultural Management of Nursery and Greenhouse Systems: Surface Water; (1 credit) Grade Method: REG/P-F/AUD.
Credit will be granted for only one of the following: PLSC463 or PLSC489Y. Formerly PLSC489Y. The management techniques used in the intensive culture of plants in commercial operations will be covered. Topics included are the basics of surface water management practices, containment basin design and capture and recycling of irrigation water for intensive plant production operations. The course delivery method is primarily online, but a four hour face-to-face lecture/lab will be held at the end of the module.

0101	David Ross, John Lea-Cox	Seats (Total: 15)
	Meets March 22, 2009 - April 11, 2009	
	Contact instructor or department for details.	

PLSC464 **Cultural Management of Nursery and Greenhouse Systems: Nutrients**

PLSC464 Cultural Management of Nursery and Greenhouse Systems: Nutrients; (1 credit) Grade Method: REG/P-F/AUD.
Credit will be granted for only one of the following: PLSC464 or PLSC489Z. Formerly PLSC489Z. The management techniques used in the intensive culture of plants in commercial operations will be covered. Topics included are the basics of fertilization, different fertilization strategies and nutrient application practices in intensive plant production systems. The course delivery method is primarily online, but a four hour face-to-face lecture/lab will be held at the end of the module.

0101	John Lea-Cox	Seats (Total: 15)
	Meets April 12, 2009 - May 9, 2009	
	Contact instructor or department for details.	

PLSC489B **Special Topics in Plant Science; Private and Public Sector Applications**

PLSC489B Special Topics in Plant Science: Private and Public Sector Applications; (1 credit) Grade Method: REG/P-F/AUD.

0101	Steven Cohan	Seats (Total: 5)
	Contact instructor or department for details.	

PLSC489F **Special Topics in Plant Science; Professional Leadership Development Skills.**

PLSC489F Special Topics in Plant Science: Professional Leadership Development Skills.; (1 credit) Grade Method: REG/P-F/AUD.
Class will be held in the Stamp Union.

0101	Steven Cohan	Seats (Total: 55)
	Meets February 27, 2009 - February 28, 2009	
	FSa 8:00am - 4:00pm	Location: TBA

PLSC489G **Special Topics in Plant Science; Communications in the Green Industry**

PLSC489G Special Topics in Plant Science: Communications in the Green Industry; (2 credits) Grade Method: REG/P-F/AUD.

0101	Steven Cohan	Seats (Total: 8)
	Contact instructor or department for details.	

PLSC489M **Special Topics in Plant Science; Landscape Contracting I**

PLSC489M Special Topics in Plant Science: Landscape Contracting I; (2 credits) Grade Method: REG/P-F/AUD.

0101	Steven Cohan	Seats (Total: 15)
	Contact instructor or department for details.	

PLSC489N **Special Topics in Plant Science; Communication in the Green Industry II**

PLSC489N Special Topics in Plant Science: Communication in the Green Industry II; (2 credits) Grade Method: REG/P-F/AUD.

0101	Steven Cohan	Seats (Total: 16)
	Contact instructor or department for details.	

PLSC489V **Special Topics in Plant Science; Green Roofs and Related Urban Sustainability Topics**

PLSC489V Special Topics in Plant Science: Green Roofs and Related Urban Sustainability Topics; (1 credit) Grade Method: REG/P-F/AUD.

0101	Steven Cohan	Seats (Total: 36)
	Tu 12:30pm - 1:45pm	PLS 1117

PLSC689C **Special Topics; Conservation Biology**

PLSC689C *(PermReq)* **Special Topics: Conservation Biology; (1-3 credits)** Grade Method: REG/AUD.
Prerequisite: permission of department.

0101	Maile Neel	Seats (Total: 8)
	Contact instructor or department for details.	

PLSC689R **Special Topics; Advances in Sustainable Systems**

PLSC689R Special Topics: Advances in Sustainable Systems; (2 credits) Grade Method: REG/AUD.

0101	John Lea-Cox	Seats (Total: 10)
	Contact instructor or department for details.	
0102	Andrew Ristvey	Seats (Total: 10)
	Contact instructor or department for details.	

PLSC689T **Special Topics; Tree Genomics**

PLSC689T Special Topics: Tree Genomics; (1-3 credits) Grade Method: REG/AUD.

0101	Gary Coleman	Seats (Total: 15)
	Contact instructor or department for details.	

PLSC789 **Advances in Research**

PLSC789 Advances in Research; (1 credit) Grade Method: REG/AUD.

0101	Marla McIntosh	Seats (Total: 5)
	Contact instructor or department for details.	
0102	Priscila Chaverri, Yilmaz Balci	Seats (Total: 5)
	W 4:00pm - 4:50pm	PLS 1176

PLSC798 **Graduate Seminar**

PLSC798 Graduate Seminar; (1 credit) Grade Method: REG/AUD.

0101	Gary Coleman M 4:00pm - 4:50pm	Seats (Total: 40) PLS 1140
0201	Gary Coleman Tu 4:00pm - 5:30pm	Seats (Total: 40) PLS 1130

PLSC799 **Master's Thesis Research**

PLSC799 Master's Thesis Research; (1-6 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

PLSC898 **Pre-Candidacy Research**

PLSC898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

PLSC899 **Doctoral Dissertation Research**

PLSC899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

PORT Portuguese Spring 2009

PORT204 **Intensive Intermediate Portuguese**

PORT204 Intensive Intermediate Portuguese; (4 credits) Grade Method: REG/P-F/AUD.
Prerequisite: PORT104 or permission of department. Not open to students who have completed PORT203. Covers speaking, reading, writing, listening, and culture of Portuguese-speaking world.

0101	Regina Igel TuTh 11:00am - 12:15pm W 11:00am - 11:50am	Seats (Total: 25) JMZ 2122 JMZ 2122

PORT235 **Issues in Latin American Studies II**

PORT235 Issues in Latin American Studies II; (3 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course. CORE Diversity (D) Course.
Also offered as SPAN235 and LASC235. Credit will be granted for only one of the following: PORT235 or SPAN235 or LASC235. Major issues shaping Latin American and Caribbean societies including the changing constructions of race, ethnicity, gender and class as well as expressions of popular cultures and revolutionary practices. A continuation of PORT/LASC/SPAN 234, but completion of 234 is not a prerequisite. Taught in English.

0101	Blenda Femenias	Seats (Total: 35)
	TuTh 11:00am - 12:15pm	CHM 2201

PORT378 **Brazilian Cinema (in Translation)**

PORT378 Brazilian Cinema (in Translation); (3 credits) Grade Method: REG/P-F/AUD. CORE Diversity (D) Course.

0101	Regina Igel	Seats (Total: 30)
	Tu 12:30pm - 3:20pm	JMZ 3205
	Th 12:30pm - 1:45pm	JMZ 3205

PORT386 **Experiential Learning**

PORT386 Experiential Learning; (3-6 credits) Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: permission of department. Junior standing.

Contact department for information to register for this course.

PORT399 **Independent Study in Portuguese**

PORT399 Independent Study in Portuguese; (1-3 credits) Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

PORT699 **Independent Study of Portuguese**

PORT699 Independent Study of Portuguese; (1-3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

PSYC Psychology Spring 2009

PSYC100 Introduction to Psychology

The following courses may involve the use of animals. Students who are concerned about the use of animals in teaching have the responsibility to contact the instructor, prior to course enrollment, to determine whether animals are to be used in the course, whether class exercises involving animals are optional or required and what alternatives, if any, are available.

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The Department of Psychology enforces course prerequisites. Students will be administratively dropped from courses for which they do not have all prerequisites.

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PSYC100/100+Research requirement: May involve participation in research.

PSYC100 Introduction to Psychology; (3 credits) Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course.

A basic introductory course, intended to bring the student into contact with the major problems confronting psychology and the more important attempts at their solution. Discussion sections do not meet until after first lecture.

0101	Kevin Murnane MW 4:00pm - 5:15pm F 11:00am - 11:50am	Seats (Total: 28) BRB 1101 BPS 0283	Discussion
0102	Kevin Murnane MW 4:00pm - 5:15pm Tu 12:30pm - 1:20pm	Seats (Total: 22) BRB 1101 BPS 1234	Discussion
0103	Kevin Murnane MW 4:00pm - 5:15pm Tu 12:30pm - 1:20pm	Seats (Total: 28) BRB 1101 BPS 1124	Discussion
0104	Kevin Murnane MW 4:00pm - 5:15pm F 10:00am - 10:50am	Seats (Total: 27) BRB 1101 BPS 1234	Discussion

0105	Kevin Murnane MW 4:00pm - 5:15pm F 11:00am - 11:50am	Seats (Total: 27) BRB 1101 BPS 1234	Discussion
0106	Kevin Murnane MW 4:00pm - 5:15pm M 10:00am - 10:50am	Seats (Total: 27) BRB 1101 BPS 1234	Discussion
0107	Kevin Murnane MW 4:00pm - 5:15pm W 12:00pm - 12:50pm	Seats (Total: 27) BRB 1101 BPS 1228	Discussion
0108	Kevin Murnane MW 4:00pm - 5:15pm W 1:00pm - 1:50pm	Seats (Total: 28) BRB 1101 BPS 1228	Discussion
0109	Kevin Murnane MW 4:00pm - 5:15pm W 3:00pm - 3:50pm	Seats (Total: 28) BRB 1101 BPS 1228	Discussion
0110	Kevin Murnane MW 4:00pm - 5:15pm Tu 2:00pm - 2:50pm	Seats (Total: 27) BRB 1101 BPS 1234	Discussion
0111	Kevin Murnane MW 4:00pm - 5:15pm Tu 3:30pm - 4:20pm	Seats (Total: 28) BRB 1101 BPS 1228	Discussion
0112	Kevin Murnane MW 4:00pm - 5:15pm M 1:00pm - 1:50pm	Seats (Total: 28) BRB 1101 BPS 1228	Discussion
0113	Kevin Murnane MW 4:00pm - 5:15pm Th 12:30pm - 1:45pm	Seats (Total: 28) BRB 1101 BPS 1124	Discussion
0114	Kevin Murnane MW 4:00pm - 5:15pm M 3:00pm - 3:50pm	Seats (Total: 28) BRB 1101 BPS 1228	Discussion

0115	Kevin Murnane MW 4:00pm - 5:15pm F 12:00pm - 12:50pm	Seats (Total: 28) BRB 1101 BPS 1228	Discussion
0201	Barry Smith TuTh 2:00pm - 3:15pm M 10:00am - 10:50am	Seats (Total: 27) BRB 1101 BPS 1228	Discussion
0202	Barry Smith TuTh 2:00pm - 3:15pm M 11:00am - 11:50am	Seats (Total: 27) BRB 1101 BPS 1232	Discussion
0203	Barry Smith TuTh 2:00pm - 3:15pm W 10:00am - 10:50am	Seats (Total: 27) BRB 1101 BPS 1232	Discussion
0204	Barry Smith TuTh 2:00pm - 3:15pm W 11:00am - 11:50am	Seats (Total: 27) BRB 1101 BPS 1232	Discussion
0205	Barry Smith TuTh 2:00pm - 3:15pm F 10:00am - 10:50am	Seats (Total: 27) BRB 1101 BPS 1238	Discussion
0206	Barry Smith TuTh 2:00pm - 3:15pm F 11:00am - 11:50am	Seats (Total: 25) BRB 1101 HBK 1108	Discussion
0207	Barry Smith TuTh 2:00pm - 3:15pm F 1:00pm - 1:50pm	Seats (Total: 27) BRB 1101 BPS 1228	Discussion
0208	Barry Smith TuTh 2:00pm - 3:15pm F 2:00pm - 2:50pm	Seats (Total: 27) BRB 1101 BPS 1234	Discussion
0209	Barry Smith TuTh 2:00pm - 3:15pm M 1:00pm - 1:50pm	Seats (Total: 27) BRB 1101 BPS 1124	Discussion

0210	Barry Smith TuTh 2:00pm - 3:15pm W 1:00pm - 1:50pm	Seats (Total: 27) BRB 1101 BPS 1232	Discussion
0211	Barry Smith TuTh 2:00pm - 3:15pm Th 3:30pm - 4:20pm	Seats (Total: 27) BRB 1101 BPS 1232	Discussion
0212	Barry Smith TuTh 2:00pm - 3:15pm M 12:00pm - 12:50pm	Seats (Total: 27) BRB 1101 BPS 1228	Discussion
0213	Barry Smith TuTh 2:00pm - 3:15pm W 12:00pm - 12:50pm	Seats (Total: 27) BRB 1101 BPS 1232	Discussion

PSYC100H **Introduction to Psychology**

PSYC100H *(PermReq)* **Introduction to Psychology; (3 credits)** Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course.
For honors students only.

0101	Jeannette Johnson MW 5:00pm - 6:15pm	Seats (Total: 30) BPS 0283
0201	Thomas Capo TuTh 9:30am - 10:45am	Seats (Total: 30) BPS 1124

PSYC200 **Statistical Methods in Psychology**

PSYC200 Statistical Methods in Psychology; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: PSYC100; and (MATH111 or MATH140 or MATH220) with a C (2.0) or higher. Credit will be granted for only one of the following: BIOM301, BMGT230, ECON321, EDMS451, GEOG305, GVPT422, PSYC200, or SOCY201. A basic introduction to quantitative methods used in psychological research. Restricted to PSYC, ENSP and BSCI majors. All other majors require permission in BPS 1107. Click here for more information.

0101	Mark Johnson TuTh 8:00am - 9:15am F 9:00am - 9:50am	Seats (Total: 29) BPS 1243 BPS 1236	Discussion
0102	Mark Johnson TuTh 8:00am - 9:15am F 10:00am - 10:50am	Seats (Total: 29) BPS 1243 BPS 1236	Discussion
0103	Mark Johnson TuTh 8:00am - 9:15am F 12:00pm - 12:50pm	Seats (Total: 29) BPS 1243 BPS 1236	Discussion
0104	Mark Johnson TuTh 8:00am - 9:15am F 1:00pm - 1:50pm	Seats (Total: 29) BPS 1243 BPS 1232	Discussion
0201	Mark Johnson TuTh 9:30am - 10:45am F 9:00am - 9:50am	Seats (Total: 29) BPS 1243 BPS 1234	Discussion
0202	Mark Johnson TuTh 9:30am - 10:45am F 10:00am - 10:50am	Seats (Total: 30) BPS 1243 BPS 1232	Discussion
0203	Mark Johnson TuTh 9:30am - 10:45am F 12:00pm - 12:50pm	Seats (Total: 29) BPS 1243 BPS 1234	Discussion
0204	Mark Johnson TuTh 9:30am - 10:45am F 1:00pm - 1:50pm	Seats (Total: 29) BPS 1243 BPS 1234	Discussion
0301	Thomas Capo TuTh 11:00am - 12:15pm F 12:00pm - 12:50pm	Seats (Total: 30) BPS 1124 BPS 1232	Discussion
0401	Yaron Shlomi TuTh 3:30pm - 5:10pm	Seats (Total: 30) BPS 1236	

PSYC221 Social Psychology

PSYC221 Social Psychology; (3 credits) Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course.
Prerequisite: PSYC100. The influence of social factors on the individual and on interpersonal behavior. Includes topics such as conformity, attitude change, person perception, interpersonal attraction, and group behavior.

0101	Charles Stangor	Seats (Total: 450)
	MWF 2:00pm - 2:50pm	BRB 1101

PSYC301 **Biological Basis of Behavior**

Priority registration will be given to PSYC majors and to students in other majors that specifically require/recommend these courses.
PSYC301 Biological Basis of Behavior; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisites: BSCI105 and PSYC100. An introduction to the anatomical structures and physiological processes that determine behavior. After a study of the basic functioning of the nervous system, the course will examine the acquisition and processing of sensory information, the neural control of movement, and the biological bases of complex behaviors such as sleep, learning, memory, sex, language, and addiction. Restricted to PSYC (major code 20010) students only.

0101	David Yager	Seats (Total: 115)
	TuTh 2:00pm - 3:15pm	BPS 1243

PSYC309B **Special Topics in Psychology; Child Psychopathology**

PSYC309B Special Topics in Psychology: Child Psychopathology; (3 credits)
Grade Method: REG/P-F/AUD.
Prerequisite: PSYC100.

0101	Kelly O'Brien	Seats (Total: 45)
	TuTh 9:30am - 10:45am	BPS 0283

PSYC309I **Special Topics in Psychology; Psychology and Social Identity**
Contact department for information to register for this course.

PSYC309L **Special Topics in Psychology; Personality and Social Psychology**
Contact department for information to register for this course.

PSYC309R **Special Topics in Psychology; Research Methods in Psychology**

PSYC309R Special Topics in Psychology: Research Methods in Psychology; (3 credits) Grade Method: REG.
Prerequisite: PSYC200.

0101	Kevin O'Grady	Seats (Total: 25)
	TuTh 3:30pm - 4:45pm	PLS 1176

PSYC309V **Special Topics in Psychology; Psychology of Video Games and Entertainment**

PSYC309V Special Topics in Psychology: Psychology of Video Games and Entertainment; (3 credits) Grade Method: REG/P-F/AUD.

0101	Kent Norman	Seats (Total: 36)
	MWF 2:00pm - 2:50pm	PLS 1129

PSYC319D **Community Interventions: Service Learning**

PSYC319D *(PermReq)* **Community Interventions: Service Learning; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: permission of instructor required.

0101	Karen O'Brien	Seats (Total: 20)
	MW 8:00am - 9:15am	BPS 1112

PSYC334 **Psychology of Interpersonal Relationships**

PSYC334 Psychology of Interpersonal Relationships; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: PSYC100. Research, theory and their practical applications pertaining to the development, maintenance and dissolution of human relationships. Processes critical to successful relating (e.g., communication, bargaining, conflict resolution), and issues associated with troubled dyadic relations with equal partners (e.g., jealousy, spouse abuse, divorce). Restricted to PSYC (major code 20010) students only.

0101	Ryan Curtis	Seats (Total: 150)
	TuTh 2:00pm - 3:15pm	BPS 1250

PSYC336 **Psychology of Women**

PSYC336 Psychology of Women; (3 credits) Grade Method: REG/P-F/AUD. CORE Diversity (D) Course.
Prerequisite: PSYC100. Also offered as WMST336. Credit will be granted for only one of the following: PSYC336 or WMST336. A survey of the biology, life span development, socialization, personality, mental health, and special issues of women. Restricted to PSYC (major code 20010) students only.

0101	Kathryn Levit MW 2:00pm - 3:15pm	Seats (Total: 150) BPS 1250
0201	Kathryn Levit MW 12:00pm - 1:15pm	Seats (Total: 116) BPS 1243

PSYC341 **Introduction to Memory and Cognition**

PSYC341 Introduction to Memory and Cognition; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: PSYC100. An introduction to the basic models, methods of research, and findings in memory, problem-solving, and language and their applications. Restricted to PSYC (major code 20010) students only.

0101	Kevin Murnane TuTh 12:30pm - 1:45pm	Seats (Total: 115) BPS 1243

PSYC353 **Abnormal Psychology**

PSYC353 Abnormal Psychology; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: PSYC100. For PSYC majors only. The nature, diagnosis, etiology, and treatment of mental disorders. Restricted to PSYC (major code 20010) students only.

0101	Charles Gelso TuTh 3:30pm - 4:45pm	Seats (Total: 300) BRB 1101

PSYC354 **Cross-Cultural Psychology**

PSYC354 Cross-Cultural Psychology; (3 credits) Grade Method: REG/P-F/AUD. CORE Diversity (D) Course.
Prerequisite: PSYC100. Cultural components in theory and research in personality, social, and community psychology. Interplay of individual, ethnic, and cultural factors in psychosocial growth and well-being, cross-cultural and cross-ethnic communication, and counseling and psychotherapeutic interactions.

0101	Edward Orehek	Seats (Total: 150)
	TuTh 3:30pm - 4:45pm	BPS 1250

PSYC361 **Survey of Industrial and Organizational Psychology**

PSYC361 Survey of Industrial and Organizational Psychology; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: PSYC100. A general survey of the field of industrial organizational psychology including such topics as organizational entry (recruitment, selection, training, socialization), organizational psychology (motivation, leadership, job attitudes), and productivity in the work place (performance appraisal, absenteeism, turnover). The role that the larger environment plays in influencing work behaviors and work attitudes. Restricted to PSYC (major code 20010) students only.

0101	Andrew Schmidt	Seats (Total: 116)
	MW 2:00pm - 3:15pm	BPS 1243

PSYC386 **Experiential Learning**

PSYC386 *(PermReq)* **Experiential Learning; (1-6 credits)** Grade Method: REG/P-F.
Prerequisite: permission of department. Junior standing. Click here for more course information.

0101	Harold Sigall	Seats (Total: 20)
	Contact instructor or department for details.	

PSYC401 **Biological Bases of Behavior Laboratory**

PSYC401 *(PermReq)* **Biological Bases of Behavior Laboratory; (4 credits)** Grade Method: REG/P-F/AUD.
Prerequisites: BIOL105; and PSYC200; and PSYC301 or equivalent; and permission of instructor. Restricted to PSYC majors who have completed 85 credits. A laboratory course to introduce students to some of the basic physiological and anatomical techniques of contemporary neuroscience. Exercises look at specific neurons or groups of neurons and how they control such simple behaviors as swimming, prey capture, and species recognition. The lab exercises use living invertebrates and cold-blooded vertebrates.

0101	David Yager MW 9:00am - 9:50am M 1:00pm - 5:00pm	Seats (Total: 6) BPS 1236 BPS 0263	 Lab
0201	David Yager MW 9:00am - 9:50am Tu 1:00pm - 5:00pm	Seats (Total: 6) BPS 1236 BPS 0263	 Lab
0301	David Yager MW 9:00am - 9:50am W 1:00pm - 5:00pm	Seats (Total: 6) BPS 1236 BPS 0263	 Lab
0401	David Yager MW 9:00am - 9:50am Th 1:00pm - 5:00pm	Seats (Total: 6) BPS 1236 BPS 0263	 Lab

PSYC402 **Neural Systems and Behavior**

PSYC402 Neural Systems and Behavior; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: PSYC206 or PSYC301. Priority is given to PSYC majors. Credit will be granted for only one of the following: PSYC402. Research on the physiological basis of behavior, including considerations of sensory phenomenon, motor coordination, emotion, drives, and the neurological basis of memory.

0101	Steven Brauth TuTh 3:30pm - 4:45pm	Seats (Total: 40) BPS 0283

PSYC404 **Introduction to Behavioral Pharmacology**

PSYC404 Introduction to Behavioral Pharmacology; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisites: PSYC200 and {PSYC206 or PSYC301}. Theoretical viewpoints on the interaction of drugs and behavior. Basic principles of pharmacology, the effects of drugs on various behaviors, experimental analysis of drug dependence and abuse, and neuropharmacology and behavior.

0101	Frank Hall	Seats (Total: 40)
	Th 5:00pm - 7:30pm	BPS 0283

PSYC406 **Neuroethology**

PSYC406 Neuroethology; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: BSCI105 or BSCI106. Recommended: PSYC301. For PSYC majors only. A merger between the disciplines of neuroscience and ethology (animal behavior) studies the behavioral functions of nervous systems using a comparative and evolutionary approach. Students will learn how the nervous system controls behavioral patterns in a variety of different organisms ranging from insects to mammals. Click here for more information.

0101	Jens Herberholz	Seats (Total: 40)
	TuTh 2:00pm - 3:15pm	PLS 1119

PSYC409 **Topics in Neurosciences Seminar**

PSYC409 Topics in Neurosciences Seminar; (1 credit) Grade Method: S-F.

0101	Jens Herberholz	Seats (Total: 10)
	F 9:00am - 10:00am	BPS 1142

PSYC420 **Experimental Psychology: Social Processes I**

PSYC420 Experimental Psychology: Social Processes I; (4 credits) Grade Method: REG/P-F/AUD.
Prerequisite: PSYC200; PSYC221; the completion of the departmentally required math and science supporting course sequence; and 85 credits. A laboratory course to provide a basic understanding of experimental method in social psychology and experience in conducting research on social processes. Not open to students who have completed PSYC 309 with Prof. Stangor. Restricted to PSYC majors only.

0101	Dexter Taylor MW 1:00pm - 1:50pm Th 10:00am - 12:00pm	Seats (Total: 15) PLS 1130 BPS 1238	 Lab
0102	Dexter Taylor MW 1:00pm - 1:50pm Th 12:00pm - 2:00pm	Seats (Total: 15) PLS 1130 BPS 1238	 Lab
0103	Dexter Taylor MW 1:00pm - 1:50pm Th 2:00pm - 4:00pm	Seats (Total: 15) PLS 1130 BPS 1238	 Lab
0104	Dexter Taylor MW 1:00pm - 1:50pm F 2:00pm - 4:00pm	Seats (Total: 15) PLS 1130 BPS 1238	 Lab
0201	Rachel Freidus MW 10:00am - 10:50am M 12:00pm - 2:00pm	Seats (Total: 15) BPS 1243 BPS 1238	 Lab
0202	Rachel Freidus MW 10:00am - 10:50am W 12:00pm - 2:00pm	Seats (Total: 15) BPS 1243 BPS 1238	 Lab
0203	Rachel Freidus MW 10:00am - 10:50am Tu 12:00pm - 2:00pm	Seats (Total: 15) BPS 1243 BPS 1238	 Lab
0204	Rachel Freidus MW 10:00am - 10:50am Tu 2:00pm - 4:00pm	Seats (Total: 15) BPS 1243 BPS 1238	 Lab
0301	Eric Siegel MW 1:00pm - 1:50pm Th 11:00am - 1:00pm	Seats (Total: 15) PLS 1117 PHY 4208	 Lab
0302	Eric Siegel MW 1:00pm - 1:50pm Th 2:00pm - 4:00pm	Seats (Total: 15) PLS 1117 PHY 4208	 Lab

PSYC424 Communication and Persuasion

PSYC424 Communication and Persuasion; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisites: PSYC200 and PSYC221. Effect of social communication upon behavior and attitudes. Theory and research concerning attitude change and social influence. Restricted to PSYC (major code 20010) students only.

0101	Scott Roberts TuTh 9:30am - 10:45am	Seats (Total: 41) BPS 1236
0201	Scott Roberts TuTh 12:30pm - 1:45pm	Seats (Total: 40) TYD 2106

PSYC432 **Introduction to Counseling Psychology**

PSYC432 Introduction to Counseling Psychology; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: nine hours in psychology including PSYC200. Analysis of research and intervention strategies developed and used by counseling psychologists. Historical and current trends in content and methodology. Restricted to PSYC majors (20010).

0101	Stacie Ain TuTh 9:30am - 10:45am	Seats (Total: 40) EDU 2119
0201	Kevin McGann MW 10:00am - 11:15am	Seats (Total: 40) BPS 0283

PSYC433 **Basic Helping Skills: Research and Practice**

PSYC433 Basic Helping Skills: Research and Practice; (4 credits) Grade Method: REG.
Prerequisite: PSYC200; and {PSYC235 or PSYC334 or PSYC353 or PSYC432 or PSYC434 or PSYC435 or PSYC436}; and 85 credits. For PSYC majors only. Theories and research regarding effective helping skills. Students will practice helping skills with each other and will conduct research projects evaluating their helping skills. Students should be willing to talk about personal issues in class. Because of the participatory nature of this class, attendance normally will be included in the computation of grades. Restricted to PSYC majors (20010).

0101	Marianne Dunn Tu 12:00pm - 2:00pm Th 12:00pm - 2:00pm	Seats (Total: 16) BPS 1228 BPS 1228	 Lab
0102	Marianne Dunn Tu 12:00pm - 2:00pm Th 12:00pm - 2:00pm	Seats (Total: 16) BPS 1228 COL 0100	 Lab
0201	Heather DelPino Tu 10:00am - 12:00pm Th 10:00am - 12:00pm	Seats (Total: 16) PHY 1219 JMZ 0122	 Lab
0202	Heather DelPino Tu 10:00am - 12:00pm Th 10:00am - 12:00pm	Seats (Total: 16) PHY 1219 EDU 3236	 Lab
0301	Nazish Salahuddin Tu 4:00pm - 6:00pm Th 4:00pm - 6:00pm	Seats (Total: 16) BPS 1124 BPS 1124	 Lab
0302	Nazish Salahuddin Tu 4:00pm - 6:00pm Th 4:00pm - 6:00pm	Seats (Total: 16) BPS 1124 BPS 1228	 Lab
0401	Patricia Spangler M 4:00pm - 6:00pm W 4:00pm - 6:00pm	Seats (Total: 16) BPS 1236 BPS 1232	 Lab
0402	Patricia Spangler M 4:00pm - 6:00pm W 4:00pm - 6:00pm	Seats (Total: 16) BPS 1236 BPS 1228	 Lab
0501	Tamara Walden Tu 10:00am - 12:00pm Th 10:00am - 12:00pm	Seats (Total: 15) BPS 1238 JMP 1109	 Lab
0502	Tamara Walden Tu 10:00am - 12:00pm Th 10:00am - 12:00pm	Seats (Total: 15) BPS 1238 CHE 2118	 Lab

PSYC436 Introduction to Clinical Psychology: From Science to Practice

PSYC436 Introduction to Clinical Psychology; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: PSYC200 or equivalent. Critical analysis of clinical psychology, with particular emphasis on current developments and trends. Restricted to PSYC (20010) majors.

0101	Andrea Leiman TuTh 11:00am - 12:15pm	Seats (Total: 40) BPS 0283
0201	Andrea Leiman TuTh 12:30pm - 1:45pm	Seats (Total: 40) BPS 0283

PSYC442 **Psychology of Language**

PSYC442 Psychology of Language; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: PSYC200; and PSYC341 or PSYC440, or permission of department. Introductory survey of topics in psycholinguistic research, theory and methodology. Major emphasis on the contribution of linguistic theory to the psychological study of language behavior and cognition. Linguistic theory, biological bases of language, and speech, grammars, phonetics and phonological performance, speech perception and production, psychological studies of syntax and semantics, language and cognitive development, language comprehension and thought. For psychology majors only.

0101	Carol Whitney TuTh 2:00pm - 3:15pm	Seats (Total: 35) BPS 1236

PSYC444 **Cyberpsychology: The Psychology of Human/Computer Interactions**

PSYC444 Cyberpsychology: The Psychology of Human/Computer Interactions; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: PSYC100 and an additional six credits in psychology. Credit will be granted for only one of the following: PSYC309E or PSYC444. Formerly PSYC309E. Explores traditional psychological processes in the rapidly changing world of computer and internet technologies. Students will address how the use of computers impacts many of the major topics in psychology.

0101	Kent Norman MWF 11:00am - 11:50am	Seats (Total: 36) PLS 1129

PSYC450 **Field Research in Organizational Psychology**

PSYC450 Field Research in Organizational Psychology; (4 credits) Grade Method: REG/P-F/AUD.
Prerequisites: PSYC100, PSYC200 and completion of the departmentally required math and science supporting course sequence. Recommended: PSYC361. Restricted to PSYC majors who have completed 85 credits. Methods of field research applicable to organizational settings are examined, including field experiments and quasi-experiments, observation, interviewing, surveys, content analysis, and various forms of qualitative inquiry.

0101	Rin Imai	Seats (Total: 40)
	MW 10:00am - 12:00pm	PLS 1130

PSYC468H **Field Experience and Special Assignments in Honors**

PSYC468H *(PermReq)* **Field Experience and Special Assignments in Honors; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

PSYC469H **Honors Thesis Proposal Preparation**

PSYC469H *(PermReq)* **Honors Thesis Proposal Preparation; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Restricted to undergraduate PSYC majors only.

Contact department for information to register for this course.

PSYC478 **Independent Study in Psychology**

PSYC478 *(PermReq)* **Independent Study in Psychology; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Information about independent study may be obtained in BPS 1107. Restricted to PSYC majors (20010) only. The student must have completed 9 hours in PSYC with at least a 3.0 GPA in PSYC and a 2.8 overall GPA. Click here for more course information.

Contact department for information to register for this course.

PSYC479 **Special Research Problems in Psychology**

PSYC479 *(PermReq)* **Special Research Problems in Psychology; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Information about research credit may be obtained in BPS 1107. Restricted to PSYC majors (20010) only. The student must have completed 9 hours in PSYC with at least a 3.0 GPA in PSYC and a 2.8 overall GPA. Click here for more course information.

Contact department for information to register for this course.

PSYC488A **Advanced Psychology I (Honors); Honors Seminar in Attention & Memory**

PSYC488A Advanced Psychology I (Honors): Honors Seminar in Attention & Memory; (3 credits) Grade Method: REG/P-F/AUD.
Restricted to Psychology Honors Students

0101	Michael Dougherty	Seats (Total: 10)
	TuTh 9:30am - 10:45am	BPS 1112

PSYC488H **Advanced Psychology I (Honors); Social Development**

PSYC488H Advanced Psychology I (Honors): Social Development; (3 credits) Grade Method: REG/P-F/AUD.

0101	Jude Cassidy	Seats (Total: 15)
	TuTh 12:30pm - 1:45pm	BPS 1103

PSYC499H **Honors Thesis Research**

PSYC499H *(PermReq)* **Honors Thesis Research; (3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
In addition to the department and instructor, the director of the honors program may be contacted to obtain a section number. Prerequisite:permission of the thesis advisor. Permission may be obtained in BPS 1147. Restricted to undergraduate PSYC majors only.

Contact department for information to register for this course.

PSYC602 **Quantitative Methods II**

PSYC602 Quantitative Methods II; (4 credits) Grade Method: REG/AUD.
Prerequisite: PSYC 601. A continuation of PSYC 601. Topics include experimental design, analysis of variance, analysis of covariance, multiple regression, and general linear models. For all non-psychology graduate students, written permission of the instructor is required.

0101	Kevin O'Grady	Seats (Total: 23)	
	TuTh 9:00am - 11:00am	BPS 1232	
	Th 4:30pm - 6:30pm	BPS 0140	Discussion

PSYC604 **Fundamentals of Social Psychology**

PSYC604 Fundamentals of Social Psychology; (3 credits) Grade Method: REG/AUD.
Credit will be granted for only one of the following: PSYC 604 or PSYC 640. Formerly PSYC640. A survey of classic and contemporary theories, research and methods in social psychology.

0101	Scott Roberts	Seats (Total: 20)
	M 9:30am - 12:00pm	BPS 3132
0201	Scott Roberts	Seats (Total: 15)
	M 1:00pm - 3:30pm	BPS 3132

PSYC622 **Research Methods in Clinical Psychology**

PSYC622 Research Methods in Clinical Psychology; (3 credits) Grade Method: REG.
Prerequisite: permission of instructor. Credit will be granted for only one of the following: PSYC 622 or PSYC 718. Formerly PSYC718. Examines issues and strategies in conceptual systems, designs and methodologies of current research in clinical and community psychology. Readings include critical analyses of published research. Course requirements include preparation of a research proposal for a thesis level study.

0101	Carl Lejuez	Seats (Total: 20)
	W 1:00pm - 3:30pm	COL 2103K

PSYC625 **Psychological Assessment of Cognitive Functioning**

PSYC625 Psychological Assessment of Cognitive Functioning; (3 credits) Grade Method: REG.
Prerequisite: permission of department. Credit will be granted for only one of the following: PSYC625 or PSYC721. Formerly PSYC721. An examination of fundamental principles of psychological assessment; application of these principles to the development of evidence-based assessments of clinical conditions and associated behaviors; and application of evidence-based assessments to the evaluation and understanding of clinical conditions evaluated and treated in therapeutic settings.

0101	Andres De Los Reyes W 9:30am - 12:00pm	Seats (Total: 10) BPS 1112	

PSYC629 **Clinical Laboratory**

PSYC629 Clinical Laboratory; (1-3 credits) Grade Method: S-F.

0101	Andrea Chronis-Tuscano W 12:45pm - 3:30pm	Seats (Total: 20) BPS 2114B	Lab
0201	Mary Byrne Tu 9:30am - 12:00pm	Seats (Total: 20) BPS 2114B	Lab
0301	Lea Dougherty Th 1:30pm - 4:00pm	Seats (Total: 20) BPS 2114B	Lab

PSYC630 **Behavioral and Cognitive Behavioral Intervention for Adults**

PSYC630 Behavioral and Cognitive Behavioral Intervention for Adults; (3 credits) Grade Method: REG/AUD.
Prerequisites: PSYC 620 or PSYC 680 and permission of instructor. For PSYC majors only. Credit will be granted for only one of the following: PSYC 630 or PSYC 728. Formerly PSYC728. Introduces students to the process of therapy with particular focus on behavioral focus on behavioral and cognitive behavioral internentions. Syllabus focuses on theory, research, client diversity, ehtics, and practical aspects of conducting therapy.

0101	Shannon Couture Th 9:30am - 12:00pm	Seats (Total: 15) BPS 1103	

PSYC638 **Externship in Professional Psychology; Externship in Professional Psychology**

PSYC638 Externship in Professional Psychology: Externship in Professional Psychology; (1-3 credits) Grade Method: S-F.

0101	Jack Blanchard	Seats (Total: 20)
	Contact instructor or department for details.	

PSYC639 **Internship in Professional Psychology; Internship in Professional Psychology**

PSYC639 Internship in Professional Psychology: Internship in Professional Psychology; (1 credit) Grade Method: S-F.

0101	Jack Blanchard	Seats (Total: 20)
	Contact instructor or department for details.	

PSYC693 **Assessment in Counseling Psychology II**

PSYC693 Assessment in Counseling Psychology II; (3 credits) Grade Method: S-F.
Prerequisite: PSYC 692. Credit will be granted for only one of the following: PSYC 693 or PSYC 722. Formerly PSYC722. Supervised experience in administration, scoring, and interpreting major psychodiagnostic instruments used by counseling psychologists, as well as writing integrative assessment reports. Emphasis on hypothesis testing approach to assessment and on the counseling interview as an assessment tool.

0101	Nazish Salahuddin	Seats (Total: 20)
	Tu 9:00am - 12:00pm	BPS 1103

PSYC708 **Seminar in Psychometric Theory**

PSYC708 Seminar in Psychometric Theory; (3 credits) Grade Method: REG/AUD.

0101	Mo Wang	Seats (Total: 10)
	Th 9:30am - 12:00pm	HBK 0125

PSYC737 **Research Methods in Industrial/Organizational Psychology**

PSYC737 Research Methods in Industrial/Organizational Psychology; (3 credits) Grade Method: REG/AUD.

Prerequisite: PSYC 603 or permission of instructor. Philosophy, theory, and method issues underlying I/O psychology. History and the effectiveness of different methods for answering different questions is explored. Reliability and validity are emphasized.

0101	Paul Hanges	Seats (Total: 20)
	Tu 3:30pm - 6:00pm	BPS 3141

PSYC738 **Seminar in Industrial/Organizational Psychology**

PSYC738 Seminar in Industrial/Organizational Psychology; (3 credits) Grade Method: REG/AUD.

0101	Cheri Ostroff	Seats (Total: 15)
	M 1:00pm - 3:30pm	BPS 1112

PSYC748G **Seminar in Social Psychology; Social Psychology of Goals**

PSYC748G Seminar in Social Psychology: Social Psychology of Goals; (3 credits) Grade Method: REG/AUD.

0101	A Kruglanski	Seats (Total: 15)
	W 3:00pm - 6:00pm	BPS 3132

PSYC749 **Current Research in Social Psychology**

PSYC749 Current Research in Social Psychology; (1 credit) Grade Method: REG/AUD.

PSYC majors only. For all non-psychology graduate students, written permission of the instructor is required.

0101	Harold Sigall	Seats (Total: 15)
	M 4:00pm - 6:30pm	BPS 3132

PSYC765 **Biological Bases of Psychopharmacology**

PSYC765 Biological Bases of Psychopharmacology; (3 credits) Grade Method: REG/AUD.
Prerequisite: one year of graduate study in psychology and permission of instructor. A critical review and detailed analysis of the literature and problems related to the effects of drugs on animal and human behavior. Designed for advanced graduate students in experimental psychology and clinical psychology.

0101	Barry Smith Tu 3:30pm - 6:00pm	Seats (Total: 10) BPS 1103

PSYC788B **Special Research Problems; Scientific Ethics**

PSYC788B *(PermReq)* **Special Research Problems: Scientific Ethics; (1-4 credits)** Grade Method: REG/AUD.
Also offered as NACS600 and BIOL600.

0101	Philip DeShong, Arthur Popper W 3:00pm - 5:00pm	Seats (Total: 16) BPS 2249
0201	Robert Dooling, Jane Clark W 3:00pm - 5:00pm	Seats (Total: 16) BPS 1142

PSYC789 **Special Research Problems**

PSYC789 Special Research Problems; (1-4 credits) Grade Method: REG/AUD.
Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

PSYC798B **Graduate Seminar; The Teaching of Psychology**

PSYC798B Graduate Seminar: The Teaching of Psychology; (1 credit) Grade Method: REG/AUD.

0101	Marcia Marinelli M 2:00pm - 2:50pm	Seats (Total: 10) BPS 1103

PSYC799 **Master's Thesis Research**

PSYC799 Master's Thesis Research; (1-6 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.
For PSYC majors only. For all non-psychology graduate students, written permission of the instructor and department is required.

Contact department for information to register for this course.

PSYC888 **Research Methods in Psychology**

PSYC888 Research Methods in Psychology; (1-3 credits) Grade Method: REG/AUD.

0101	Kevin O'Grady	Seats (Total: 10)
	Contact instructor or department for details.	

PSYC888A **Research Methods in Psychology; Aging and Longitudinal Methodology**

PSYC888A Research Methods in Psychology: Aging and Longitudinal Methodology; (1-3 credits) Grade Method: REG/AUD.

0101	Mo Wang	Seats (Total: 5)
	Contact instructor or department for details.	

PSYC888B **Research Methods in Psychology; Research in Cross Culturalism**

PSYC888B Research Methods in Psychology: Research in Cross Culturalism; (1-3 credits) Grade Method: REG/AUD.

0101	Michele Gelfand	Seats (Total: 5)
	Contact instructor or department for details.	

PSYC888D **Research Methods in Psychology; Cognitive Electrophysiology Seminar**

PSYC888D Research Methods in Psychology: Cognitive Electrophysiology Seminar; (1 credit) Grade Method: REG/AUD.

0101	Tracy Riggins	Seats (Total: 15)
	Contact instructor or department for details.	

PSYC888E **Research Methods in Psychology; Research in Selection and Diversity**

PSYC888E Research Methods in Psychology: Research in Selection and Diversity; (1-3 credits) Grade Method: REG/AUD.

0101	Paul Hanges Contact instructor or department for details.	Seats (Total: 5)

PSYC888L **Research Methods in Psychology; Reserch in Levels and Attitudes**

PSYC888L Research Methods in Psychology: Reserch in Levels and Attitudes; (1-3 credits) Grade Method: REG/AUD.

0101	Cheri Ostroff Contact instructor or department for details.	Seats (Total: 5)

PSYC889 **Research Methods in Psychology**

PSYC889 Research Methods in Psychology; (1 credit) Grade Method: REG/AUD. PSYC majors only. For all non-psychology graduate students, written permission of the instructor is required.

0101	Amanda Woodward M 4:00pm - 5:30pm	Seats (Total: 15) BPS 1103
0201	Michael Dougherty F 9:00am - 10:00am	Seats (Total: 15) BPS 1140

PSYC889A **Research Methods in Psychology; Development Seminar**

PSYC889A Research Methods in Psychology: Development Seminar; (1-2 credits) Grade Method: REG/AUD.

0101	Amanda Woodward Tu 12:00pm - 1:15pm	Seats (Total: 15) BPS 1142

PSYC889J **Research Methods in Psychology; Developmental Cognitive Neuroscience**

PSYC889J Research Methods in Psychology: Developmental Cognitive Neuroscience; (3 credits) Grade Method: REG/AUD.

0101	Tracy Riggins	Seats (Total: 20)
	Th 12:30pm - 3:00pm	PLS 1172

PSYC898 **Pre-Candidacy Research**

PSYC898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

PSYC898L **Pre-Candidacy Research; Seminar in Language Development**

PSYC898L Pre-Candidacy Research: Seminar in Language Development; (3 credits) Grade Method: REG.

0101	Amanda Woodward	Seats (Total: 15)
	W 2:00pm - 5:00pm	JMZ 3122

PSYC899 **Doctoral Dissertation Research**

PSYC899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.
For PSYC majors only. For all non-psychology graduate students, written permission of the instructor and department is required.

Contact department for information to register for this course.

PUAF Public Policy Spring 2009

PUAF348 **Academic Seminar for Interns: State and Local**

PUAF348 *(PermReq)* **Academic Seminar for Interns: State and Local; (3 credits)** Grade Method: REG.

0101	Peter Shapiro	Seats (Total: 20)
	Tu 4:15pm - 6:45pm	TLF 1103

PUAF349 **Internship in Political Institutions: State and Local**

PUAF349 *(PermReq)* **Internship in Political Institutions: State and Local; (3-6 credits)** Grade Method: S-F.

0101	Peter Shapiro, Nina Harris	Seats (Total: 20)
	Contact instructor or department for details.	

PUAF359B **Contemporary Issues in Political Leadership and Participation; Community-Based Leadership and Social Change**

PUAF359B Contemporary Issues in Political Leadership and Participation: Community-Based Leadership and Social Change; (3 credits) Grade Method: REG/P-F/AUD.

0101	Sonia Flynn, Bonnie Allen	Seats (Total: 25)
	M 4:30pm - 7:00pm	TLF 1103

PUAF359C **Contemporary Issues in Political Leadership and Participation; Advocacy in the American Political System**

PUAF359C Contemporary Issues in Political Leadership and Participation: Advocacy in the American Political System; (3 credits) Grade Method: REG/P-F/AUD.

0101	Gerard Evans	Seats (Total: 80)
	M 2:00pm - 4:30pm	CSS 2324

PUAF359J **Contemporary Issues in Political Leadership and Participation; Leading to Get Results**

PUAF359J Contemporary Issues in Political Leadership and Participation: Leading to Get Results; (3 credits) Grade Method: REG/P-F/AUD.

0101	Jennifer Littlefield	Seats (Total: 25)
	M 2:00pm - 4:30pm	TLF 0101

PUAF359L **Contemporary Issues in Political Leadership and Participation; Art,Policy and Leadership**

PUAF359L Contemporary Issues in Political Leadership and Participation: Art,Policy and Leadership; (3 credits) Grade Method: REG/P-F/AUD.

0101	Georgia Sorenson	Seats (Total: 15)
	W 2:00pm - 4:30pm	TLF 1102

PUAF359W **Contemporary Issues in Political Leadership and Participation; Women and Politics**

PUAF359W Contemporary Issues in Political Leadership and Participation: Women and Politics; (3 credits) Grade Method: REG/P-F/AUD.

0101	Frances Glendening	Seats (Total: 25)
	W 4:15pm - 6:45pm	TLF 0101

PUAF388 **Special Topics in Public Policy**

PUAF388 *(PermReq)* **Special Topics in Public Policy; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

PUAF396 **Fellowship Program in Political Leadership**

PUAF396 Fellowship Program in Political Leadership; (2-6 credits) Grade Method: REG/P-F/AUD.
Prerequisite: permission of department and acceptance of full-time fellowship program. Credit will be granted for only one of the following: BSOS396 or PUAF396. Formerly BSOS396. Individual instruction course.

0101	Nina Harris	Seats (Total: 10)
	Contact instructor or department for details.	

PUAF610 **Quantitative Aspects of Public Policy**

PUAF610 Quantitative Aspects of Public Policy; (3 credits) Grade Method: REG/AUD.
For PUAF majors only or permission of department. Introduces statistical methods needed for evaluating and choosing among policy options. Topics include probability; decision-making under uncertainty; the organization, interpretation, and visual display of complex data; prediction and inferences about causality; hypothesis testing; and linear and multiple regression. Develops analytical skills and the ability to apply theory to complex, real-world problems.

0101	Rachel Franklin M 7:00pm - 9:30pm Tu 7:00pm - 9:30pm	Seats (Total: 25) VMH 1207 VMH 1107	 Discussion

PUAF611 **Quantitative Analysis of Policy Issues**

PUAF611 Quantitative Analysis of Policy Issues; (3 credits) Grade Method: REG/AUD.
For PUAF majors only or permission of department. Study of a series of problems and the development of quantitative techniques to describe or evaluate the problem. The organization and interpretation of complex data and its use for prediction and inference about casual effects. The definition of objectives, trade-offs among objectives, and allocation of resources to meet objectives. Sensitivity of outcomes to changing conditions.

0201	Rachel Franklin Tu 7:00pm - 9:30pm M 7:00pm - 9:30pm	Seats (Total: 24) VMH 1207 VMH 1203	 Discussion

PUAF620 **Political Analysis**

PUAF620 Political Analysis; (3 credits) Grade Method: REG/AUD.
For PUAF majors only or permission of department. Examination of politics as a process for allocating scarce resources among claimants for public benefits. Comparision of the allocative model of politics with other distributive processes, such as markets. Comparison of the model with behavior of different political institutions, such as Congress and the presidency. Study of politics as a process with distinctive concepts of rationality. The translation of voter and interest group preferences into public choices. The impact of political decisions on competing constituencies.

0101	Allen Schick M 4:15pm - 6:45pm	Seats (Total: 22) VMH 1107	
0201	Allen Schick Tu 1:30pm - 4:15pm	Seats (Total: 20) VMH 1101	

PUAF640 **Microeconomic and Policy Analysis**

PUAF640 Microeconomic and Policy Analysis; (3 credits) Grade Method: REG/AUD.

For PUAF majors only or permission of department. Applies intermediate microeconomic theory to public policy issues: resource allocation by firms and consumers; the response of economic agents to changes in incentives; market allocations in competitive and non-competitive environments; and market failures and government remedies. Uses extended case studies of particular issues in such areas as the environment (acid rain), international trade (tariffs), industry regulation (cable TV), and the provision of public goods (highways).

0101	Michael Busse	Seats (Total: 33)	
	Th 7:00pm - 9:30pm	VMH 1207	
	Th 4:15pm - 6:45pm	VMH 1207	Discussion

PUAF641 **Macroeconomics and Policy Analysis**

PUAF641 Macroeconomics and Policy Analysis; (3 credits) Grade Method: REG/AUD.

For PUAF majors only or permission of department. Studies the behavior of the economy as a whole: the level of national income, unemployment, and inflation; the vulnerability of the U.S. economy to external influences; possible federal influence over the level of economic activity; and the consequences for prices, employment and the U.S. trade deficit. Also examines possible U.S. policy responses to widespread debt crises in developing countries.

0101	William Helkie	Seats (Total: 20)	
	W 7:00pm - 9:30pm	VMH 1203	
	M 7:00pm - 9:30pm	VMH 1101	Discussion
0201	William Helkie	Seats (Total: 20)	
	Th 7:00pm - 9:30pm	VMH 1203	
	Tu 7:00pm - 9:30pm	VMH 1203	Discussion

PUAF650 **Moral Dimensions of Public Policy**

PUAF650 Moral Dimensions of Public Policy; (3 credits) Grade Method: REG/AUD.
For PUAF majors only or permission of department. Explores the moral issues involved in public policy questions; the limits and usefulness of decision-making tools; problems of choosing, justifying and using criteria to judge a program's success and suitability; ethichal issues involving the welfare state and income distribution; and possible obligations beyond one's political community and generation.

0101	Daniel Levine Th 1:30pm - 4:00pm	Seats (Total: 20) VMH 1107
0201	Chloe Schwenke W 7:00pm - 9:30pm	Seats (Total: 20) VMH 1101

PUAF660 **Environmental Policy Workshop**

PUAF660 Environmental Policy Workshop; (3 credits) Grade Method: REG/AUD.
For PUAF majors only or permission of department. Students work as a team to analyze and recommend responses to a current enviornmental policy issue. Emphasizes problem definition, organization of information and presentation of results.

0101	Robert Nelson Tu 9:15am - 11:45am	Seats (Total: 16) VMH 1101

PUAF670 **Finance**

PUAF670 Finance; (3 credits) Grade Method: REG/AUD.
For PUAF majors only or permission of department. Introduction to principles of resource allocation over time, role of debt in context of changing sources of governmental revenues, long- and short-term debt instruments, analysis of mixed public-private economic development projects, leasing, and the impact of borrowing devices.

0301	Tracy Gordon W 4:15pm - 6:45pm Contact instructor or department for details.	Seats (Total: 25) VMH 1207

PUAF671 **Public Sector Finance**
Contact department for information to register for this course.

PUAF692 **Leadership Principles and Practices**

PUAF692 Leadership Principles and Practices; (3 credits) Grade Method: REG/AUD.

For PUAF majors only or permission of department. This course will introduce leadership principles and practices to students by focussing on the theory of leadership, different leadership themes and skills, and discussions with practitioners.

0101	Judy Brown	Seats (Total: 22)
	F 9:00am - 4:00pm	VMH 1107
	Meets only on Feb 13, 27; March 6, 13, 27; April 3, 17.	

PUAF698C **Selected Topics in Public Affairs; Intelligence, Policy Making and Politics**

PUAF698C Selected Topics in Public Affairs: Intelligence, Policy Making and Politics; (3 credits) Grade Method: REG/AUD.

0101	William Nolte	Seats (Total: 20)
	W 4:15pm - 6:45pm	VMH 1203

PUAF698D **Selected Topics in Public Affairs; Urban Policy**

PUAF698D Selected Topics in Public Affairs: Urban Policy; (3 credits) Grade Method: REG/AUD.

0101	Alan Ehrenhalt	Seats (Total: 20)
	M 4:15pm - 6:45pm	VMH 2101F

PUAF698F **Selected Topics in Public Affairs; Criminal Justice System Planning: Policy Analysis for Crime Control**

Contact department for information to register for this course.

PUAF698G **Selected Topics in Public Affairs; Real Estate Development for Planners**

PUAF698G Selected Topics in Public Affairs: Real Estate Development for Planners; (3 credits) Grade Method: REG/AUD.

Also offered as URSP664. For to PUAF majors or permission.

0101	Andrew Frank, David Falk M 4:00pm - 6:30pm	Seats (Total: 26) ASY 3219

PUAF698J **Selected Topics in Public Affairs; Proseminar in Politics, Philosophy, and Public Policy**

PUAF698J Selected Topics in Public Affairs: Proseminar in Politics, Philosophy, and Public Policy; (3 credits) Grade Method: REG/AUD.
Also offered as GVPT859B and PHIL688W.

0101	Karol Soltan, Christopher Morris Tu 12:30pm - 3:15pm	Seats (Total: 15) TYD 1136

PUAF698L **Selected Topics in Public Affairs; International Enviormental Agreements**

PUAF698L Selected Topics in Public Affairs: International Enviormental Agreements; (3 credits) Grade Method: REG/AUD.

0101	Thomas Hilde Tu 4:15pm - 6:45pm	Seats (Total: 20) Location: TBA

PUAF698N **Selected Topics in Public Affairs; Intelligence Policy and Organization**
Contact department for information to register for this course.

PUAF698O **Selected Topics in Public Affairs; Ethics, Development and Foreign Aid**

PUAF698O Selected Topics in Public Affairs: Ethics, Development and Foreign Aid; (3 credits) Grade Method: REG/AUD.

0101	David Crocker W 1:30pm - 4:00pm	Seats (Total: 22) VMH 1107

PUAF698P **Selected Topics in Public Affairs; Information Policy & Technology**

PUAF698P Selected Topics in Public Affairs: Information Policy & Technology; (3 credits) Grade Method: REG/AUD.

0101	Christopher McGoff M 9:15am - 11:45am	Seats (Total: 20) VMH 1203

PUAF698T **Selected Topics in Public Affairs; Managing Across Sectors**
Contact department for information to register for this course.

PUAF698W **Selected Topics in Public Affairs; Wildlife Conservation**

PUAF698W Selected Topics in Public Affairs: Wildlife Conservation; (3 credits) Grade Method: REG/AUD.

0101	Gerald Winegrad M 4:15pm - 6:45pm	Seats (Total: 20) VMH 1101

PUAF699A **Selected Topics Public Policy; Asset Management II**
Contact department for information to register for this course.

PUAF699B **Selected Topics Public Policy; Local Governance and Land Use Planning**
Contact department for information to register for this course.

PUAF699C **Selected Topics Public Policy; Results and Performance Results Accountability**
Contact department for information to register for this course.

PUAF699D **Selected Topics Public Policy; Disease, Disasters and Development**

PUAF699D Selected Topics Public Policy: Disease, Disasters and Development; (3 credits) Grade Method: REG/AUD.

0101	Robert Sprinkle Th 1:30pm - 4:00pm	Seats (Total: 24) VMH 1207

PUAF699E **Selected Topics Public Policy; Financial Systems and Control**

PUAF699E Selected Topics Public Policy: Financial Systems and Control; (3 credits) Grade Method: REG/AUD.

0101	Joseph Kull Tu 4:15pm - 6:45pm	Seats (Total: 25) VMH 1203

PUAF699G **Selected Topics Public Policy; Leadership in Groups and Organization**
Contact department for information to register for this course.

PUAF699I **Selected Topics Public Policy; Global Inequality and Its Implications**

PUAF699I Selected Topics Public Policy: Global Inequality and Its Implications; (3 credits) Grade Method: REG/AUD.

0101	Instructor: TBA M 1:30pm - 4:00pm	Seats (Total: 20) VMH 1101

PUAF699J **Selected Topics Public Policy; The State in Economic Development**

PUAF699J Selected Topics Public Policy: The State in Economic Development; (3 credits) Grade Method: REG/AUD.

0101	Allen Schick Tu 4:15pm - 6:45pm	Seats (Total: 20) VMH 1107

PUAF699K **Selected Topics Public Policy; Civil Conflict and Terrorism**

PUAF699K Selected Topics Public Policy: Civil Conflict and Terrorism; (3 credits) Grade Method: REG/AUD.

0101	John Steinbruner Tu 1:30pm - 4:00pm	Seats (Total: 20) VMH 1101

PUAF699L **Selected Topics Public Policy; Leading and Motivating People**
Contact department for information to register for this course.

PUAF699M **Selected Topics Public Policy; Acquisitions in National Security**
Contact department for information to register for this course.

PUAF699N **Selected Topics Public Policy; Public Policy & Private Enterprise in National Security**

PUAF699N Selected Topics Public Policy: Public Policy & Private Enterprise in National Security; (3 credits) Grade Method: REG/AUD.

0101	Jacques Gansler M 4:15pm - 6:45pm	Seats (Total: 20) Location: TBA

PUAF699Q **Selected Topics Public Policy; Demography, Development and Social Policy**

PUAF699Q Selected Topics Public Policy: Demography, Development and Social Policy; (3 credits) Grade Method: REG/AUD.

0101	John Haaga Tu 7:00pm - 9:30pm	Seats (Total: 20) VMH 2101F

PUAF699V **Selected Topics Public Policy; Homeland Security Policy**
Contact department for information to register for this course.

PUAF699Z **Selected Topics Public Policy; Energy Policy**

PUAF699Z Selected Topics Public Policy: Energy Policy; (3 credits) Grade Method: REG/AUD.

0101	Nathan Hultman Th 1:30pm - 4:00pm	Seats (Total: 20) VMH 1203

PUAF706 **Public Policymaking for Journalists**

PUAF706 Public Policymaking for Journalists; (3 credits) Grade Method: REG/AUD.
For JOUR majors only. Focuses on the political, procedural and administrative realities of policy formation and implementation. Specifically for the Journalism students who staff the Capital News Service.

0101	Catherine Riley M 1:00pm - 4:00pm	Seats (Total: 20) VMH 2202A

PUAF711 **Public Management and Leadership**

PUAF711 Public Management and Leadership; (3 credits) Grade Method: REG/AUD.
For PUAF majors only or permission of department. Reviews the managerial, political, and ethical problems faced by public sector managers and leaders, including setting an organization's goals, obtaining and protecting a program mandate, designing a service delivery system and implementing a new program.

0101	Kenneth Apfel Tu 4:15pm - 6:45pm	Seats (Total: 18) PKT 1112V

0201	Kenneth Apfel Tu 9:15am - 11:45am	Seats (Total: 18) PKT 1112V
0301	Robert Sprinkle W 1:30pm - 4:00pm	Seats (Total: 20) VMH 1101
RB01	Pat McGinnis M 5:30pm - 8:00pm	Seats (Total: 4) Location: TBA
	Meets at Council for Excellence in Government, 1301 K Street, NW, Washi gton, D.C.	

PUAF717 **Federal Budgeting: Policy and Process**

PUAF717 Federal Budgeting: Policy and Process; (3 credits) Grade Method: REG/AUD.
For PUAF majors only or permission of department. Budgeting as a political and administrative instrument of government. Development of budgeting, the multiple uses of the budget, including role in fiscal policy and resource allocation, the roles and relationships of major participants, and effects of resource scarcity on budgeting behavior. Emphasis on the federal level.

0101	Samuel McCann M 7:00pm - 9:30pm	Seats (Total: 20) VMH 2101F

PUAF720 **International Security Policy**

PUAF720 International Security Policy; (3 credits) Grade Method: REG/AUD.
Prerequisite: For PUAF majors only or permission of department. Reviews the principal features of international security as currently practiced. Traces the evolution of contemporary policy beginning with the initiation of nuclear weapons programs during World War II. Particular emphasis is given to experience of the United States and Russia, since the historical interaction between these two countries has disproportionately affected the international security conditions that all other countries now experience.

0101	Nancy Gallagher Tu 9:15am - 11:45am	Seats (Total: 20) VMH 1107

PUAF740 **Public Policy and the Environment**

PUAF740 Public Policy and the Environment; (3 credits) Grade Method: REG/AUD.
For PUAF majors only or permission of department. Surveys of major federal environmental legislation; the development and implementation of laws, and alternative ways of thinking about the relationship between humans and the environment.

0201	Robert Nelson Th 9:15am - 11:45am	Seats (Total: 20) VMH 1107
RB01	Robert Nelson W 5:30pm - 8:00pm *Meets at EPA Headquarters, Ariel Rios building, Washington, D.C*	Seats (Total: 0) Location: TBA

PUAF743 **Ecological Economics**

PUAF743 Ecological Economics; (3 credits) Grade Method: REG/AUD.
For PUAF majors only or permission of department. Course is based upon the text Valuing the Earth: Economics, Ecology, and Ethics.

0101	Herman Daly W 1:30pm - 4:00pm	Seats (Total: 18) VMH 1203
0201	Herman Daly Th 4:15pm - 6:45pm	Seats (Total: 18) VMH 1203

PUAF746 **Dynamic Modeling for Environmental Investment and Policy Making**

PUAF746 Dynamic Modeling for Environmental Investment and Policy Making; (3 credits) Grade Method: REG/AUD.
For PUAF majors only or permission of department. Formerly PUAF698M. Examines the theory, methods and tools to dynamic modeling for policy and investment decision making, with special focus on environmental issues. Provides extensive hands-on modeling experience and makes use of state-of-art computing methods to translate theory and concepts into executable models.

0101	Matthias Ruth W 7:00pm - 9:30pm	Seats (Total: 25) VMH 1207

PUAF752 **Managing Differences:Resolving Conflict and Negotiating Agreements**
Contact department for information to register for this course.

PUAF753 **Advanced Negotiations**

PUAF753 Advanced Negotiations; (3 credits) Grade Method: REG/AUD.
Prerequisite: PUAF752. Credit will be granted for only one of the following: PUAF698C or PUAF753. Formerly PUAF698C. Deepens the student's negotiation and leadership skills for managing differences between individuals and groups. Cover conflict, escalation, dealing with intractable conflicts, sustaining agreements in inter-group conflicts, and the effects of trauma on negotiations.

0101	Charles Field	Seats (Total: 20)
	M 4:15pm - 6:45pm	VMH 1203

PUAF770 **Seminar in Housing and Community Development Strategies**

PUAF770 Seminar in Housing and Community Development Strategies; (3 credits) Grade Method: REG/AUD.
For PUAF majors only. Detailed examination of community and social policy issues relating to the construction and management of affordable housing.

0101	Jacqueline Rogers	Seats (Total: 24)
	Contact instructor or department for details.	

PUAF771 **Housing and Community Development Overview**
Contact department for information to register for this course.

PUAF772 **Housing Finance**
Contact department for information to register for this course.

PUAF774 **Asset Management**
Contact department for information to register for this course.

PUAF780 **The American Foreign Policy-Making Process**

PUAF780 The American Foreign Policy-Making Process; (3 credits) Grade Method: REG/AUD.
For PUAF majors only or permission of department. Survey and analysis of the governmental institutions and processes which shape U.S. global engagement on national security and international economic issues. Particular emphasis is given to executive-congressional relations and the broader domestic roots of foreign policy.

0201	I M Mac Destler	Seats (Total: 20)	
	M 1:30pm - 4:00pm	VMH 1203	

PUAF781 **International Economic Policy**

PUAF781 International Economic Policy; (3 credits) Grade Method: REG/AUD.
For PUAF majors only or permission of department. Issues and choices facing the United States in today's global economy. Primary, but not exclusive, emphasis is given to "competitive interdependence" among advanced industrial societies.

0101	Carmen Reinhart	Seats (Total: 24)	
	M 4:15pm - 6:45pm	VMH 1207	
	M 7:00pm - 9:30pm	VMH 1107	Discussion

PUAF782 **International Development Economics**

PUAF782 International Development Economics; (3 credits) Grade Method: REG/AUD.
For PUAF majors only or permission of department. Credit will be granted for only one of the following: PUAF698U or PUAF782. Formerly PUAF698U. Examines key current economic and policy issues for developing and transition economies. Topics include inflation stabilization, fiscal policy, selected trade issues, dealing with international capital flows, the role of multilateral organizations, such as the International Monetary Fund and the World Bank, and issues relating to saving, investment and growth.

0101	Instructor: TBA	Seats (Total: 25)	
	Th 7:00pm - 9:30pm	VMH 1107	

PUAF790 **Project Course**

PUAF790 Project Course; (3 credits) Grade Method: REG/AUD.
For PUAF majors only or permission of department. Students work at a sponsoring government agency or private firm researching problem of interest to sponsor and relevant to concentration. Emphasis on problem definition, organizing information, and both oral and written presentation of results.

0101	Jacqueline Rogers Contact instructor or department for details. *For students in MFL specialization.*	Seats (Total: 10)
0201	Douglas Besharov W 4:15pm - 6:45pm *For students in SOC specialization.*	Seats (Total: 20) VMH 1101
0301	Robert Nelson Contact instructor or department for details. *For students in ENV specialization.*	Seats (Total: 25)
0401	Susan Schwab Contact instructor or department for details. *For students in ISEP specialization.*	Seats (Total: 25)
0501	Instructor: TBA Contact instructor or department for details. *For students in IDEV specialization.*	Seats (Total: 25)
0601	I M Mac Destler Contact instructor or department for details.	Seats (Total: 9)

PUAF798A **Readings in Public Policy**

PUAF798A Readings in Public Policy; (1-3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

PUAF798B **Readings in Public Policy**

PUAF798B Readings in Public Policy; (1-3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

PUAF798E **Readings in Public Policy; Introduction to Policy Analysis**

PUAF798E Readings in Public Policy: Introduction to Policy Analysis; (3 credits) Grade Method: REG/AUD.

0101	Douglas Besharov, Peter Germanis	Seats (Total: 20)
	W 7:00pm - 9:30pm	VMH 1107

PUAF798G **Readings in Public Policy; Health Economics and Analysis**

PUAF798G Readings in Public Policy: Health Economics and Analysis; (3 credits) Grade Method: REG/AUD.

0101	Jack Meyer	Seats (Total: 25)
	W 1:00pm - 3:45pm	SPH 0307

PUAF798K **Readings in Public Policy; Climate Change Policy**

PUAF798K Readings in Public Policy: Climate Change Policy; (3 credits) Grade Method: REG/AUD.

0101	Nathan Hultman	Seats (Total: 20)
	W 4:15pm - 6:45pm	VMH 1107

PUAF798L **Readings in Public Policy; Environmental Law and Finance**

PUAF798L Readings in Public Policy: Environmental Law and Finance; (3 credits) Grade Method: REG/AUD.

RB01	Frances Dubrowski	Seats (Total: 0)
	Tu 5:30pm - 8:00pm	Location: TBA
	Meets at EPA Headquarters, Ariel Rios building, Washington, D.C.	

PUAF798N **Readings in Public Policy; Energy Economics**

PUAF798N Readings in Public Policy: Energy Economics; (3 credits) Grade Method: REG/AUD.

0101	Benjamin Schlesinger M 1:30pm - 4:00pm	Seats (Total: 20) VMH 1107

PUAF798O **Readings in Public Policy; Geopolitics of Oil**

PUAF798O Readings in Public Policy: Geopolitics of Oil; (3 credits) Grade Method: REG/AUD.

0101	Catherine Kelleher M 7:00pm - 9:30pm	Seats (Total: 20) Location: TBA

PUAF798R **Readings in Public Policy; Research Methods and Public Policy**

PUAF798R Readings in Public Policy: Research Methods and Public Policy; (3 credits) Grade Method: REG/AUD.
Prerequisite: Public Policy PhD student or permission of instructor.

0101	Peter Reuter Tu 4:15pm - 6:45pm	Seats (Total: 20) VMH 2101F

PUAF898 **Pre-Candidacy Research**

PUAF898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

PUAF899 **Doctoral Dissertation Research**

PUAF899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

RDEV Real Estate Development Spring 2009

RDEV688A **Selected Topics in Real Estate Development; Development Law, Process and Ethics**

RDEV688A *(PermReq)* **Selected Topics in Real Estate Development: Development Law, Process and Ethics; (3 credits)** Grade Method: REG/AUD.
For RDEV majors only or permission of department.

0101	Margaret McFarland M 7:00pm - 9:40pm	Seats (Total: 26) ARC 1101

RDEV688B **Selected Topics in Real Estate Development; Fundamentals of Real Estate Development and Finance**

RDEV688B *(PermReq)* **Selected Topics in Real Estate Development: Fundamentals of Real Estate Development and Finance; (3 credits)** Grade Method: REG/AUD.
For RDEV majors only or permission of department.

0101	Michael Daugard Tu 7:00pm - 9:40pm	Seats (Total: 25) ARC 1105

RDEV688C **Selected Topics in Real Estate Development; Design and Construction Management**

RDEV688C Selected Topics in Real Estate Development: Design and Construction Management; (3 credits) Grade Method: REG/AUD.
Prerequisite: permission of department and must have taken RDEV688A.

0101	Matthew O'Malley W 7:00pm - 9:45pm	Seats (Total: 30) ARC 1105

RDEV688D **Selected Topics in Real Estate Development; Principles of Property Management for Developers**

RDEV688D *(PermReq)* **Selected Topics in Real Estate Development: Principles of Property Management for Developers; (3 credits)** Grade Method: REG/AUD.
For RDEV majors only or permission of department.

0101	Julie Smith M 7:00pm - 9:40pm	Seats (Total: 30) ARC 1103

RDEV688F **Selected Topics in Real Estate Development; Capital Markets and Real Estate Investments**

RDEV688F *(PermReq)* **Selected Topics in Real Estate Development: Capital Markets and Real Estate Investments; (3 credits)** Grade Method: REG/AUD.
For RDEV majors only or permission of department. Prerequisites: RDEV688A and RDEV688B or URSP664.

0101	Maria Day-Marshall Tu 7:00pm - 9:40pm	Seats (Total: 20) ARC 1125

RDEV688G **Selected Topics in Real Estate Development; Planning Policy, Practice and Politics for Real Estate Developers**

RDEV688G *(PermReq)* **Selected Topics in Real Estate Development: Planning Policy, Practice and Politics for Real Estate Developers; (3 credits)** Grade Method: REG/AUD.
Prerequisite: Permission of the Department.

0101	Mary Konsoulis Tu 7:00pm - 9:45pm	Seats (Total: 30) ARC 1103

RDEV688I **Selected Topics in Real Estate Development; Capstone Seminar in Real Estate Development**

RDEV688I *(PermReq)* **Selected Topics in Real Estate Development: Capstone Seminar in Real Estate Development; (3 credits)** Grade Method: REG/AUD.
Prerequisite: permission of department.

0101	James Agliata Tu 7:00pm - 9:30pm	Seats (Total: 15) ASY 3217
0103	Herbert Behre Tu 7:00pm - 9:40pm	Seats (Total: 10) Location: TBA

RDEV688J **Selected Topics in Real Estate Development; Principles of Urban Design**

RDEV688J *(PermReq)* **Selected Topics in Real Estate Development: Principles of Urban Design; (3 credits)** Grade Method: REG/AUD.

0101	Robert McClennan Th 7:00pm - 9:30pm	Seats (Total: 30) ARC 1103

RDEV688L **Selected Topics in Real Estate Development; Commercial Leasing for Real Estate Developers**

RDEV688L Selected Topics in Real Estate Development: Commercial Leasing for Real Estate Developers; (3 credits) Grade Method: REG/AUD.
Prerequisite: Permission of the Department, and must have taken RDEV688A and one the following: URSP 664, RDEV 688B, or RDEV 630.

0101	Christopher Camarra, Shannon Sentman W 7:00pm - 9:45pm	Seats (Total: 20) ARC 1101

RDEV688N **Selected Topics in Real Estate Development; Microeconomics of Land Use and Real Estate**

RDEV688N Selected Topics in Real Estate Development: Microeconomics of Land Use and Real Estate; (3 credits) Grade Method: REG/AUD.
Prerequisite: Permission of the Department.

0101	John Carruthers W 7:00pm - 9:45pm	Seats (Total: 30) ASY 3203

RDEV688T **Selected Topics in Real Estate Development; Affordable Housing Finance**

RDEV688T Selected Topics in Real Estate Development: Affordable Housing Finance; (3 credits) Grade Method: REG/AUD.
Prerequisite: Permission of the Department and must have taken RDEV688A, RDEV688F and one of the following courses: URSP 664, RDEV688B, or RDEV630.

0201	Margaret McFarland **Meets March 15, 2009 - May 12, 2009** Contact instructor or department for details.	Seats (Total: 10)

RDEV688X **Selected Topics in Real Estate Development; Introduction to Principles, Practice and Process**

RDEV688X *(PermReq)* **Selected Topics in Real Estate Development: Introduction to Principles, Practice and Process; (3 credits)** Grade Method: REG/AUD.

0101	Alfred Tetrault Th 7:00pm - 9:45pm	Seats (Total: 24) ASY 3215

RDEV688Z **Selected Topics in Real Estate Development; Sustainable Energy Policy and Practice**

RDEV688Z Selected Topics in Real Estate Development: Sustainable Energy Policy and Practice; (3 credits) Grade Method: REG/AUD.
Prerequisite: Permission of the Department and must have taken RDEV688F and one of the following: URSP664, RDEV688B, or RDEV630.

0101	Matthew Ferguson Th 7:00pm - 9:30pm	Seats (Total: 20) ARC 1121

RDEV689Y **Current Topics in Real Estate Development; Guided Real Estate Development Project**

RDEV689Y Current Topics in Real Estate Development: Guided Real Estate Development Project; (1 credit) Grade Method: REG/AUD.

0101	Alfred Tetrault Th 5:00pm - 7:00pm	Seats (Total: 10) ASY 3217
0102	Margaret McFarland Contact instructor or department for details.	Seats (Total: 10)

RUSS Russian Spring 2009

RUSS102 **Intensive Elementary Russian II**

RUSS102 Intensive Elementary Russian II; (6 credits) Grade Method: REG. *Prerequisite: RUSS101 or RUSS112 or equivalent. Not open to native speakers of Russian. Credit will be granted for only one of the following: RUSS102; or RUSS113 and RUSS114.* A continuation of RUSS101 which will further develop the four skills: reading, writing, listening and speaking with an emphasis on communicative competence.

0101	Cynthia Martin, Katarzyna Janicka MWF 9:00am - 10:50am	Seats (Total: 15) JMZ 3122
0201	Katarzyna Janicka, Cynthia Martin MWF 11:00am - 11:50am TuTh 11:00am - 12:15pm	Seats (Total: 15) JMZ 0205 JMZ 1211

RUSS112 **Elementary Russian II (Non-intensive)**

RUSS112 Elementary Russian II (Non-intensive); (3 credits) Grade Method: REG. *Prerequisite: RUSS111 or equivalent. Credit will be granted for only one of the following: RUSS101; or RUSS111 and RUSS112.* A continuation of RUSS111 which is designed to further the development of the basic skills required for communicative competence in Russian: speaking, listening, writing and reading. RUSS111 and RUSS112 are equivalent to RUSS101: Intensive Elementary Russian I.

0101	Cynthia Martin, Katarzyna Janicka MWF 1:00pm - 1:50pm	Seats (Total: 15) JMZ 3118

RUSS202 **Intermediate Russian II**

RUSS202 Intermediate Russian II; (5 credits) Grade Method: REG. CORE Humanities (HO) Course.
Prerequisite: RUSS201. Not open to native speakers of Russian. Continued activation and expansion of skills and knowledge acquired in RUSS201 with the goal of communicative competence.

0101	Zhanna Gerus-Vernola MW 11:00am - 12:50pm F 11:00am - 11:50am	Seats (Total: 15) JMZ 3118 JMZ 3118

RUSS302 **Advanced Russian II**

RUSS302 Advanced Russian II; (3 credits) Grade Method: REG.
Prerequisite: RUSS301. Advanced training in written Russian communicative structures.

0101	Marianna Landa MWF 9:00am - 9:50am	Seats (Total: 15) JMZ 3120

RUSS303 **Russian Conversation: Functional Skills**

RUSS303 Russian Conversation: Functional Skills; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: RUSS202 or equivalent. Intended for students who do not anticipate having the opportunity to study in Russian. Skills for daily life (both function and etiquette) and argumentation (rhetoric).

0101	Marianna Landa MWF 10:00am - 10:50am	Seats (Total: 15) JMZ 0205

RUSS382 **Russian Civilization (in Russian) II**

RUSS382 Russian Civilization (in Russian) II; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: RUSS202. A historical survey of Russian civilization emphasizing architecture, painting, sculpture, music, ballet, and the theater, from the beginning of the 19th century to the present pointing out the interrelationships of all with literary movements. Taught in Russian.

0101	Donald Hitchcock	Seats (Total: 15)
	TuTh 11:00am - 12:15pm	JMZ 1123

RUSS386 **Experiential Learning**

RUSS386 Experiential Learning; (3-6 credits) Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: permission of department. Junior standing.

Contact department for information to register for this course.

RUSS402 **Practicum in Written Russian**

RUSS402 Practicum in Written Russian; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: RUSS401 or equivalent. Designed to improve comprehension of functional varieties of written Russian and develop ability to present in written form concise syntheses of source texts.

0101	Natalia Morse	Seats (Total: 15)
	TuTh 2:00pm - 3:15pm	JMZ 1124

RUSS409G **Selected Topics in Russian Language Study**

RUSS409G Selected Topics in Russian Language Study; (3 credits) Grade Method: REG/P-F/AUD.

0101	Cynthia Martin	Seats (Total: 10)
	TuTh 9:30am - 10:45am	JMZ 3122

RUSS412 **Linguistic Analysis of Russian II**

RUSS412 Linguistic Analysis of Russian II; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: RUSS411. Continuation of RUSS411. The syntax of the complete sentence, semantics.

0101	Donald Hitchcock	Seats (Total: 14)
	TuTh 12:30pm - 1:45pm	JMZ 1123

RUSS439D **Selected Topics in Russian Literature**

RUSS439D Selected Topics in Russian Literature; (3 credits) Grade Method: REG/P-F/AUD.

0101	Natalia Morse	Seats (Total: 20)
	Th 4:00pm - 6:30pm	JMZ 1215

RUSS499 **Independent Study in Russian**

RUSS499 Independent Study in Russian; (1-3 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

RUSS798 **Independent Study**

RUSS798 Independent Study; (1-3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

RUSS799 **Thesis Research**

RUSS799 Thesis Research; (1-6 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

SLAA Second Language Acquisition and Application Spring 2009

SLAA719 **Second Language Acquisition and Application Internship**

SLAA719 Second Language Acquisition and Application Internship; (3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

SLAA742 **Second Language Processing**

SLAA742 Second Language Processing; (3 credits) Grade Method: REG/AUD. *Prerequisite: MA students need permission of instructor.* Covers leading theoretical approaches and experimental methods in second language processing. Draws on research and theories in Second Language Acquisition (SLA), formal linguistics, cognitive grammar, psycholinguistics, and neurolinguistics.

0101	Nan Jiang	Seats (Total: 15)
	Tu 4:00pm - 6:30pm	JMZ 2120

SLAA749E **Special Topics in Second Language Learning; Theories and Theory Change in Second Language Acquisition and Application.**

SLAA749E Special Topics in Second Language Learning: Theories and Theory Change in Second Language Acquisition and Application.; (3 credits) Grade Method: REG/AUD.

0101	Michael Long	Seats (Total: 15)
	Th 2:00pm - 4:30pm	JMZ 3118

SLAA749F **Special Topics in Second Language Learning; Phonology**

SLAA749F Special Topics in Second Language Learning: Phonology; (3 credits) Grade Method: REG/AUD.

0101	Kira Gor	Seats (Total: 15)
	M 5:00pm - 7:30pm	JMZ 3120

SLAA779 **Directed Research in Second Language Acquisition and Application**

SLAA779 Directed Research in Second Language Acquisition and Application; (1-3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

SLAA798 **Master's Independent Study**

SLAA798 Master's Independent Study; (1-3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

SLAA799 **Master's Thesis Research**

SLAA799 Master's Thesis Research; (1-6 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

SLAA888 **Doctoral Independent Study**

SLAA888 Doctoral Independent Study; (1-3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

SLAA888R **Doctoral Independent Study; Research Critique**

SLAA888R Doctoral Independent Study: Research Critique; (1 credit) Grade Method: REG/AUD.

0101	Robert De Keyser	Seats (Total: 20)
	Th 5:00pm - 7:00pm	JMZ 2117

SLAA898 **Pre-Candidacy Research**

SLAA898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

SLAA899 **Doctoral Dissertation Research**

SLAA899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

SLLC School of Languages, Literatures and Cultures — Spring 2009

SLLC698T **Special Topics in Interdisciplinary Studies; Translation Studies**

SLLC698T Special Topics in Interdisciplinary Studies: Translation Studies; (1 credit) Grade Method: REG/AUD.
Also offered as CMLT788T.

0101	Zita Nunes, Lauretta Clough	Seats (Total: 12)
	Contact instructor or department for details.	

SLLC789 **Master's Independent Study**

SLLC789 Master's Independent Study; (1-3 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

SLLC889 **Doctoral Independent Study**
Contact department for information to register for this course.

SOCY Sociology — Spring 2009

SOCY100 **Introduction to Sociology**

SOCY100 Introduction to Sociology; (3 credits) Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course.
The fundamental concepts and principles of sociology. Includes consideration of culture, patterns of social interaction, norms, values, social institutions, stratification, and social change. Serves as a prerequisite for other SOCY courses.

0101	Mehrdad Mashayekhi	Seats (Total: 64)
	MWF 12:00pm - 12:50pm	ASY 1213

0201	Anna O'Donnell MWF 9:00am - 9:50am	Seats (Total: 64) ASY 2309	
0301	Mehrdad Mashayekhi MWF 11:00am - 11:50am	Seats (Total: 64) ASY 2309	
0401	Ismail Demirezen MW 2:00pm - 3:15pm	Seats (Total: 64) ASY 1213	
0501	Joseph Lengermann MW 1:00pm - 1:50pm F 8:00am - 8:50am	Seats (Total: 21) ASY 2203 ASY 3221	 Discussion
0502	Joseph Lengermann MW 1:00pm - 1:50pm F 9:00am - 9:50am	Seats (Total: 22) ASY 2203 ASY 3207	 Discussion
0503	Joseph Lengermann MW 1:00pm - 1:50pm F 10:00am - 10:50am	Seats (Total: 21) ASY 2203 COL 3112	 Discussion
0504	Joseph Lengermann MW 1:00pm - 1:50pm F 11:00am - 11:50am	Seats (Total: 22) ASY 2203 ASY 3221	 Discussion
0505	Joseph Lengermann MW 1:00pm - 1:50pm F 12:00pm - 12:50pm	Seats (Total: 22) ASY 2203 ASY 3221	 Discussion
0506	Joseph Lengermann MW 1:00pm - 1:50pm F 1:00pm - 1:50pm	Seats (Total: 21) ASY 2203 ASY 3221	 Discussion
0507	Joseph Lengermann MW 1:00pm - 1:50pm F 2:00pm - 2:50pm	Seats (Total: 21) ASY 2203 ASY 3221	 Discussion
0508	Joseph Lengermann MW 1:00pm - 1:50pm F 11:00am - 11:50am	Seats (Total: 21) ASY 2203 COL 3112	 Discussion

0509	Joseph Lengermann MW 1:00pm - 1:50pm F 1:00pm - 1:50pm	Seats (Total: 21) ASY 2203 ASY 3211	Discussion
0601	John Pease TuTh 12:30pm - 1:45pm F 8:00am - 8:50am	Seats (Total: 22) ASY 2203 ASY 3215	Discussion
0602	John Pease TuTh 12:30pm - 1:45pm F 9:00am - 9:50am	Seats (Total: 22) ASY 2203 ASY 3203	Discussion
0603	John Pease TuTh 12:30pm - 1:45pm F 10:00am - 10:50am	Seats (Total: 21) ASY 2203 EDU 1107	Discussion
0604	John Pease TuTh 12:30pm - 1:45pm F 11:00am - 11:50am	Seats (Total: 21) ASY 2203 ARC 1101	Discussion
0605	John Pease TuTh 12:30pm - 1:45pm F 12:00pm - 12:50pm	Seats (Total: 21) ASY 2203 ASY 3215	Discussion
0606	John Pease TuTh 12:30pm - 1:45pm F 1:00pm - 1:50pm	Seats (Total: 21) ASY 2203 ASY 3219	Discussion
0607	John Pease TuTh 12:30pm - 1:45pm F 2:00pm - 2:50pm	Seats (Total: 21) ASY 2203 ASY 3217	Discussion
0608	John Pease TuTh 12:30pm - 1:45pm F 12:00pm - 12:50pm	Seats (Total: 22) ASY 2203 ASY 3211	Discussion
0609	John Pease TuTh 12:30pm - 1:45pm F 10:00am - 10:50am	Seats (Total: 21) ASY 2203 SQH 1123	Discussion

0701	Margaret Duffy TuTh 2:00pm - 3:15pm	Seats (Total: 62) ASY 2309
0801	Carlene Turner TuTh 3:30pm - 4:45pm	Seats (Total: 50) TYD 0117

SOCY105 **Introduction to Contemporary Social Problems**

SOCY105 Introduction to Contemporary Social Problems; (3 credits) Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course.
An examination of contemporary social problems through sociological perspectives; ways in which social problems are part of the organization of society; a detailed study of selected social problems including social conflict and social inequality. Serves as prerequisite for other SOCY courses.

0101	Ramu Bishwakarma MW 3:30pm - 4:45pm	Seats (Total: 64) ASY 1213
0201	Michelle Smirnova TuTh 2:00pm - 3:15pm	Seats (Total: 64) ASY 1213
0301	Cagri Tanyol MWF 10:00am - 10:50am	Seats (Total: 64) ASY 2309
0501	Michelle Beadle Holder MW 2:00pm - 3:15pm	Seats (Total: 64) ASY 2309
0601	Mary Kniskern TuTh 12:30pm - 1:45pm	Seats (Total: 64) ASY 1213

SOCY105H **Introduction to Contemporary Social Problems**

SOCY105H Introduction to Contemporary Social Problems; (3 credits) Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course.

0101	Emily Mann TuTh 11:00am - 12:15pm	Seats (Total: 25) WDS 1130

SOCY201 **Introductory Statistics for Sociology**

SOCY201 *(PermReq)* **Introductory Statistics for Sociology; (4 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: SOCY100 and MATH111 or equivalent. Not open to students who have completed BMGT231, ENEE324, or STAT400. Credit will be granted for only one of the following: BIOM301, BMGT230, ECON321, EDMS451, GEOG305, GVPT422, PSYC200, or SOCY201. Elementary descriptive and inferential statistics. Construction and percentaging of bivariate contingency tables; frequency distributions and graphic presentations; measures of central tendency and dispersion; parametric and nonparametric measures of association and correlation; regression; probability; hypothesis testing; the normal, binomial and chi-square distributions; point and interval estimates.

0101	Alan Neustadtl TuTh 11:00am - 12:15pm M 8:00am - 9:50am	Seats (Total: 20) ASY 2309 COL 3111	 Discussion
0102	Alan Neustadtl TuTh 11:00am - 12:15pm M 10:00am - 11:50am	Seats (Total: 20) ASY 2309 COL 3111	 Discussion
0103	Alan Neustadtl TuTh 11:00am - 12:15pm M 12:00pm - 1:50pm	Seats (Total: 20) ASY 2309 COL 3109	 Discussion
0104	Alan Neustadtl TuTh 11:00am - 12:15pm M 2:00pm - 3:50pm	Seats (Total: 20) ASY 2309 COL 3109	 Discussion

SOCY202 **Introduction to Research Methods in Sociology**

SOCY202 Introduction to Research Methods in Sociology; (4 credits) Grade Method: REG/P-F/AUD.
Prerequisite: SOCY201. The underlying logic, major strategies, specific techniques and skills of sociological research. Research design, measurement, data collection, sampling, field research experiments, surveys, index and scale construction, data analysis, interpretation and report writing.

0101	Kris Marsh TuTh 11:00am - 12:15pm M 9:00am - 10:45am	Seats (Total: 20) ASY 1213 ASY 3217	 Lab

0102	Kris Marsh TuTh 11:00am - 12:15pm M 11:00am - 12:45pm	Seats (Total: 20) ASY 1213 ARC 1101	 Lab
0103	Kris Marsh TuTh 11:00am - 12:15pm F 9:00am - 10:45am	Seats (Total: 20) ASY 1213 ASY 3217	 Lab
0104	Kris Marsh TuTh 11:00am - 12:15pm F 11:00am - 12:45pm	Seats (Total: 20) ASY 1213 ARC 1125	 Lab

SOCY203 **Sociological Theory**

SOCY203 Sociological Theory; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: SOCY100.* Development of the science of sociology; historical backgrounds; recent theories of society. Required of all sociology majors. Required for all SOCY majors.

0101	John Ryan TuTh 11:00am - 12:15pm	Seats (Total: 35) ASY 3203
0201	Roberto Korzeniewicz MW 2:00pm - 3:15pm	Seats (Total: 35) ASY 3203
0301	John Ryan TuTh 9:30am - 10:45am	Seats (Total: 35) ASY 3203

SOCY227 **Introduction to the Study of Deviance**

SOCY227 Introduction to the Study of Deviance; (3 credits) Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course.
Credit will be granted for only one of the following: SOCY227 or SOCY327. Formerly SOCY327. An introduction to the sociological study of deviant behavior, covering such topics as mental illness, sexual deviance, and the use of drugs.

0101	Ismail Demirezen MWF 10:00am - 10:50am	Seats (Total: 60) ASY 1213

0201	J Timleck MWF 1:00pm - 1:50pm	Seats (Total: 60) ASY 1213

SOCY230 **Sociological Social Psychology**

SOCY230 Sociological Social Psychology; (3 credits) Grade Method: REG/P-F/AUD.
Theoretical perspectives and their applications. Socialization through the life course, the self-concept, attitudes, emotion, attribution, interpersonal relations, group processes, deviance, and social change.

0101	Christopher Andrews TuTh 2:00pm - 3:15pm	Seats (Total: 175) ASY 2203

SOCY241 **Inequality in American Society**

SOCY241 Inequality in American Society; (3 credits) Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course. CORE Diversity (D) Course.
The dynamics of inequality: its social production, politics, future, and ideological bases. Utopian communities, efforts to eliminate inequality.

0101	Carolina Martin MWF 11:00am - 11:50am	Seats (Total: 47) ASY 3207

SOCY305 **Scarcity and Modern Society**

SOCY305 Scarcity and Modern Society; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: three credits of sociology.* Resource depletion and the deterioration of the environment. Relationship to lifestyles, individual consumer choices, cultural values, and institutional failures. Projection of the future course of American society on the basis of the analysis of scarcity, theories of social change, current trends, social movements, government actions, and the futurist literature.

0101	Kurt Finsterbusch TuTh 9:30am - 10:45am	Seats (Total: 60) ASY 1213

SOCY325 **The Sociology of Gender**

SOCY325 The Sociology of Gender; (3 credits) Grade Method: REG/P-F/AUD. CORE Diversity (D) Course.
Prerequisite: three credits of sociology. Also offered as WMST325. Credit will be granted for only one of the following: SOCY325 or WMST325. Institutional bases of gender roles and gender inequality, cultural perspectives on gender, gender socialization, feminism, and gender-role change. Emphasis on contemporary American society.

0101	Carlene Turner TuTh 12:30pm - 1:45pm	Seats (Total: 60) ASY 2309
0201	Nazneen Kane TuTh 11:00am - 12:15pm	Seats (Total: 47) ASY 3207
0301	Mehmet Ergun MWF 12:00pm - 12:50pm	Seats (Total: 60) ASY 2309
0401	Nazneen Kane TuTh 9:30am - 10:45am	Seats (Total: 47) ASY 3207

SOCY381 **Honors Independent Research in Sociology**

SOCY381 *(PermReq)* **Honors Independent Research in Sociology; (3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: SOCY380. Formerly SOCY388. This course permits sociology students to define a particular problem in sociology or a subfield therein and to develop a research plan for use as a thesis topic. The work will be done under the supervision of a member of the sociology faculty.

Contact department for information to register for this course.

SOCY383 **Honors Thesis Research**

SOCY383 *(PermReq)* **Honors Thesis Research; (3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: SOCY381. Formerly SOCY389. Student research under the direction of a member of the sociology faculty, culminating in the presentation and defense of a thesis reporting the research.

Contact department for information to register for this course.

SOCY386 **Experiential Learning**

SOCY386 *(PermReq)* **Experiential Learning; (3-6 credits)** Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: permission of department. Junior standing. To register, students must have departmental permission form signed by instructor and by Coordinator of Sociology Undergraduate Program.

Contact department for information to register for this course.

SOCY398C **Special Topics in Sociology; Transitions: From Undergraduate to Professional**

SOCY398C Special Topics in Sociology: Transitions: From Undergraduate to Professional; (1 credit) Grade Method: REG/P-F/AUD.

0101	Nicole De Loatch	Seats (Total: 20)
	M 12:00pm - 1:50pm	ASY 3207

SOCY398L **Special Topics in Sociology; Service Learning**

SOCY398L *(PermReq)* **Special Topics in Sociology: Service Learning; (1 credit)** Grade Method: REG/P-F/AUD.
Formerly: SOCY398S.

0101	Linda Moghadam	Seats (Total: 10)
	Contact instructor or department for details.	

SOCY399 **Independent Study in Sociology**

SOCY399 *(PermReq)* **Independent Study in Sociology; (1-6 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
No more than 6 hours of 399 is allowed for credit.

Contact department for information to register for this course.

SOCY403 **Intermediate Sociological Theory**
Contact department for information to register for this course.

SOCY410 **Social Demography**

SOCY410 Social Demography; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: six credits of sociology or permission of department.* Types of demographic analysis; demographic data; population characteristics; migration; mortality; fertility; population theories; world population growth; population policy.

0101	Elizabeth Arias MWF 11:00am - 11:50am	Seats (Total: 35) ASY 1213

SOCY412 **Family Demography**

SOCY412 Family Demography; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: six credits of sociology course work. Formerly SOCY312.* Family and population dynamics. Fertility issues, such as teenage pregnancy, the timing of parenthood, and family size; as they relate to family behavior, such as marital patterns, child care use, and work and the family. Policy issues that relate to demographic changes in the family.

0101	Steven Martin TuTh 12:30pm - 1:45pm	Seats (Total: 35) KEY 0125

SOCY424 **Sociology of Race Relations**

SOCY424 Sociology of Race Relations; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: six credits in sociology or permission of department. Also offered as AAST424. Credit will be granted for only one of the following: AAST424 or SOCY424.* Analysis of race-related issues, with a primary focus on American society. The historical emergence, development, and institutionalization of racism; the impact of racism on its victims; and racially based conflict.

0101	Anthony Hatch TuTh 8:00am - 9:15am	Seats (Total: 30) ASY 3203
0201	Daniel Williams MW 2:00pm - 3:15pm	Seats (Total: 28) ASY 3219
0301	Daniel Williams MW 3:30pm - 4:45pm	Seats (Total: 42) ASY 3207

SOCY428 **Research in Inequality**

SOCY428 Research in Inequality; (3 credits) Grade Method: REG/P-F/AUD.

0101	Reeve Vanneman	Seats (Total: 25)
	MW 2:00pm - 3:15pm	KEY 0121

SOCY431 **Principles of Organizations**

SOCY431 Principles of Organizations; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: six credits of sociology or permission of department. Structural and processual characteristics of organizations that make them effective for different purposes and in different environments. Effects of different institutional environments, small group processes, organizational networks, and leadership. Types of organizations studied include formal bureaucracies, professional organizations, and voluntary associations.

0101	Kurt Finsterbusch	Seats (Total: 45)
	TuTh 2:00pm - 3:15pm	ASY 3207

SOCY440 **Sociology of the Self-Concept**

SOCY440 Sociology of the Self-Concept; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: six credits of sociology or permission of department. The nature of the self-concept and the social forces that mold it. Major sociological, psychological, and psycho-analytic theories of the self-concept. Self-concept motives, mechanisms of self-defense, and the nature of a healthy self-concept. Empirical research dealing with the bearing of social interaction, social structure, social context and social institutions on the self-concept.

0101	J Timleck	Seats (Total: 35)
	MWF 10:00am - 10:50am	ASY 3207

SOCY441 **Social Stratification and Inequality**

SOCY441 Social Stratification and Inequality; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: six credits of sociology or permission of department. Junior standing. The sociological study of social class, status, and power. Topics include theories of stratification, correlates of social position, functions and dysfunctions of social inequality, status inconsistency, and social mobility.

0101	John Pease	Seats (Total: 90)
	TuTh 9:30am - 10:45am	ASY 2309

SOCY442 **The Family and Social Class**

SOCY442 The Family and Social Class; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: six credits of sociology or permission of department. Development of the family from pre-industrial to contemporary period. Emphasis upon class differences in family functioning and the roles of husbands and wives. Changes in these roles from pre-industrial to postindustrial period, and variations by race. Discussion of the emergence of dual-worker and dual-career families and the issues they face.

0101	Lewis Landry	Seats (Total: 35)
	TuTh 12:30pm - 1:45pm	ASY 3207

SOCY443 **The Family and Society**

SOCY443 The Family and Society; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: six credits of sociology or permission of department. Study of the family as a social institution; its biological and cultural foundations, historical development, changing structures and functions, the interaction of marriage and parenthood, disorganizing and reorganizing factors in present-day trends.

0101	Linda Moghadam	Seats (Total: 35)
	TuTh 12:30pm - 1:45pm	ASY 3203

SOCY448A **Research in Social Psychology; Group Processes Research Practicum**

SOCY448A *(PermReq)* **Research in Social Psychology: Group Processes Research Practicum; (3 credits)** Grade Method: REG/AUD.
Prerequisite: permission of instructor.

0101	Jeffrey Lucas TuTh 9:30am - 10:45am	Seats (Total: 15) EDU 0212

SOCY464 **Military Sociology**

SOCY464 Military Sociology; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: six credits of sociology or permission of department.* Social change and the growth of military institutions. Complex formal military organizations. Military service as an occupation or profession. The sociology of military life. Relations between military institutions, civilian communities and society.

0101	Darlene Iskra MW 2:00pm - 3:15pm	Seats (Total: 35) ASY 3207

SOCY467 **Sociology of Education**
Contact department for information to register for this course.

SOCY498 **Selected Topics in Sociology**
Contact department for information to register for this course.

SOCY498C **Selected Topics in Sociology; Introduction to Computing for Sociologists**

SOCY498C Selected Topics in Sociology: Introduction to Computing for Sociologists; (1 credit) Grade Method: REG/AUD.

0101	Alan Neustadtl Th 12:30pm - 1:45pm	Seats (Total: 5) Location: TBA

SOCY498K **Selected Topics in Sociology; Youth, Resistance, and Social Control**
Contact department for information to register for this course.

SOCY498L **Selected Topics in Sociology; Global Social Policy**
Contact department for information to register for this course.

SOCY498W **Selected Topics in Sociology; Sociology of Sexuality**

SOCY498W Selected Topics in Sociology: Sociology of Sexuality; (3 credits)
Grade Method: REG/P-F/AUD.
Click here for more course information.

0101	Emily Mann	Seats (Total: 35)
	TuTh 3:30pm - 4:45pm	ASY 3203

SOCY498Z **Selected Topics in Sociology; Pratical Sociology**
Contact department for information to register for this course.

SOCY602 **Statistics For Sociological Research II**

SOCY602 Statistics For Sociological Research II; (3 credits) Grade Method: REG/AUD.
Prerequisite: SOCY 601 or equivalent, and permission of instructor or graduate director. Credit will be granted for only one of the following: SOCY 602 or SURV 602.
This course introduces regression analysis using matrix algebra. Topics include bivariate regression, multivariate regression, tests of significance, regression diagnostics, indicator variables, interaction terms, extra sum of squares, and the general linear model. Other topics may be addressed such as logistic regression and path analysis. Statistical programming software may be used.

0101	Alan Neustadtl	Seats (Total: 20)
	Th 2:00pm - 4:40pm	ASY 1101

SOCY621 **Contemporary Sociological Theory**

SOCY621 Contemporary Sociological Theory; (3 credits) Grade Method: REG/AUD.
Prerequisite: SOCY 203 or SOCY 403 and/or SOCY 620 permission of instructor.
Review of sociological theory since approximately 1970, with emphasis given to schools of thought (from symbolic interaction to post- modernism) and priciple participants in them (from Goffman to Baudrilliard). For SOCY majors only. All other majors will require permission of the instructor.

0101	George Ritzer	Seats (Total: 20)
	M 2:00pm - 4:40pm	ASY 1117

SOCY631 **Comparative Sociology**

SOCY631 Comparative Sociology; (3 credits) Grade Method: REG/AUD.
Cross-national analysis of selected social institutions.

0101	Roberto Korzeniewicz W 5:00pm - 7:40pm	Seats (Total: 20) ASY 1101

SOCY640 **Population Policy in Social Context**

SOCY640 Population Policy in Social Context; (3 credits) Grade Method: REG/AUD.
Credit will be granted for only one of the following: SOCY640 or SOCY731. Formerly SOCY731. Both implicit and explicit population policies from an international perspective, and the political and social context in which they occur are examined. Of special interest are the assumptions that underly population policies about the nature of the family and gender relations and the role of ideology in the science-policy nexus.

0101	Harriet Presser W 2:00pm - 4:40pm	Seats (Total: 12) ASY 1101

SOCY642 **The Sociology of Mental Health**

SOCY642 The Sociology of Mental Health; (3 credits) Grade Method: REG/AUD.
Social factors that influence mental health. Group dynamics of mental health preservation.

0101	Melissa Milkie W 2:00pm - 4:40pm	Seats (Total: 20) ASY 4111

SOCY682 **Race, Gender and Class: Theory and Research**

SOCY682 Race, Gender and Class: Theory and Research; (3 credits) Grade Method: REG/AUD.
Prerequisite: permission of instructor. Theory and research on the ways in which class position, race, and gender function simultaneously to produce outcomes in the lives of individuals and in society; historical development and current patterns in the United States, in developing countries and in the global economy.

0101	Lewis Landry Th 5:00pm - 7:40pm	Seats (Total: 20) ASY 4111

SOCY699 **Special Social Problems**

SOCY699 Special Social Problems; (1-6 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

SOCY699B **Special Social Problems; Evaluating Social Psychology Data**

SOCY699B Special Social Problems: Evaluating Social Psychology Data; (1-16 credits) Grade Method: REG/AUD.

0101	Carmi Schooler	Seats (Total: 20)
	Tu 11:00am - 1:40pm	ASY 4111

SOCY699C **Special Social Problems; Introduction to Computing for Sociologists**

SOCY699C Special Social Problems: Introduction to Computing for Sociologists; (1 credit) Grade Method: REG/AUD.

0101	Alan Neustadtl	Seats (Total: 10)
	Th 12:30pm - 1:45pm	Location: TBA

SOCY699D **Special Social Problems; Comparative and Historical Methods**

SOCY699D Special Social Problems: Comparative and Historical Methods; (3 credits) Grade Method: REG/AUD.

0101	Meyer Kestnbaum	Seats (Total: 20)
	M 2:00pm - 4:40pm	ASY 1101

SOCY699F **Special Social Problems; Apprenticeship in Social Research**

SOCY699F Special Social Problems: Apprenticeship in Social Research; (1 credit) Grade Method: REG/AUD.

0101	Instructor: TBA	Seats (Total: 10)
	Contact instructor or department for details.	

SOCY699I **Special Social Problems; Social Class, Family, and Community**

SOCY699I Special Social Problems: Social Class, Family, and Community; (3 credits) Grade Method: REG/AUD.
Click here for more course information.

0101	Reeve Vanneman	Seats (Total: 20)
	Tu 5:00pm - 7:40pm	ASY 1101

SOCY699M **Special Social Problems; Dissertation Writing Workshop**

SOCY699M Special Social Problems: Dissertation Writing Workshop; (2 credits) Grade Method: REG/AUD.

0101	William Falk	Seats (Total: 10)
	Contact instructor or department for details.	

SOCY699O **Special Social Problems; Theories of Consumption**

SOCY699O Special Social Problems: Theories of Consumption; (3 credits) Grade Method: REG/AUD.

0101	George Ritzer	Seats (Total: 20)
	M 5:00pm - 7:40pm	ASY 1101

SOCY699P **Special Social Problems; Proseminar**

SOCY699P Special Social Problems: Proseminar; (1 credit) Grade Method: REG/AUD.

0101	Joan Kahn	Seats (Total: 20)
	M 12:00pm - 12:50pm	ASY 1117

SOCY699Q **Special Social Problems; Apprenticeship in Teaching Sociology**

SOCY699Q Special Social Problems: Apprenticeship in Teaching Sociology; (1 credit) Grade Method: REG/AUD.

0101	William Falk	Seats (Total: 10)
	Contact instructor or department for details.	

SOCY699R **Special Social Problems; Workshop in Current Sociological Issues**

SOCY699R Special Social Problems: Workshop in Current Sociological Issues; (1 credit) Grade Method: REG/AUD.

0101	Sonalde Desai	Seats (Total: 10)
	Contact instructor or department for details.	

SOCY699T **Special Social Problems; Teaching Sociology**

SOCY699T Special Social Problems: Teaching Sociology; (1 credit) Grade Method: REG.

0101	Linda Moghadam	Seats (Total: 20)
	M 12:00pm - 12:50pm	ASY 4111

SOCY699V **Special Social Problems; Writing Workshop for Second Year Paper**

SOCY699V Special Social Problems: Writing Workshop for Second Year Paper; (1 credit) Grade Method: REG/AUD.

0101	Steven Martin	Seats (Total: 10)
	Contact instructor or department for details.	

SOCY699W **Special Social Problems; Work in Progress**

SOCY699W Special Social Problems: Work in Progress; (1 credit) Grade Method: REG/AUD.

0101	Reeve Vanneman	Seats (Total: 10)
	Contact instructor or department for details.	

SOCY699X **Special Social Problems; Methodologies of Social Research**

SOCY699X Special Social Problems: Methodologies of Social Research; (3 credits) Grade Method: REG/AUD.

0101	William Falk	Seats (Total: 20)
	Tu 2:00pm - 4:40pm	ASY 1117

SOCY699Y **Special Social Problems; Indian Human Development**

SOCY699Y Special Social Problems: Indian Human Development; (3 credits) Grade Method: REG/AUD.

0101	Sonalde Desai	Seats (Total: 10)
	Contact instructor or department for details.	

SOCY699Z **Special Social Problems; Workshop in PhD Specialty Exam Preparation**

SOCY699Z Special Social Problems: Workshop in PhD Specialty Exam Preparation; (1 credit) Grade Method: REG/AUD.

0101	Sonalde Desai	Seats (Total: 10)
	Contact instructor or department for details.	

SOCY701 **Issues in the Integration of Theory and Method**

SOCY701 Issues in the Integration of Theory and Method; (3 credits) Grade Method: REG/AUD.
Prerequisite: Advanced status in the sociology Ph.D. program, or permission of instructor. The course is intended solely for advanced doctoral sociology students. The main objective of the course is to develop a dissertation proposal. Consequently, this course may only be taken during or after the semester in which the student completes the specialty (comprehensive) exams.

0101	Meyer Kestnbaum	Seats (Total: 15)
	Tu 2:00pm - 4:40pm	ASY 4111

SOCY709 **Advanced Special Topics in Data Analysis; Categorical Analysis**

SOCY709 Advanced Special Topics in Data Analysis: Categorical Analysis; (3 credits) Grade Method: REG/AUD.

0101	Steven Martin	Seats (Total: 20)
	Th 2:00pm - 4:40pm	ASY 1117

SOCY799 **Master's Thesis Research**

SOCY799 *(PermReq)* **Master's Thesis Research; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

SOCY819 **Research Seminar in Social Psychology**

SOCY819 Research Seminar in Social Psychology; (1 credit) Grade Method: REG/AUD.

0101	Stanley Presser	Seats (Total: 10)
	Contact instructor or department for details.	

SOCY829 **Research Seminar in Sociological Theory**

SOCY829 Research Seminar in Sociological Theory; (1 credit) Grade Method: REG/AUD.

0101	Laura Mamo	Seats (Total: 10)
	Contact instructor or department for details.	

SOCY839 **Research Seminar in Organizations and Occupations**

SOCY839 Research Seminar in Organizations and Occupations; (1 credit) Grade Method: REG/AUD.

0101	Kurt Finsterbusch	Seats (Total: 10)
	Contact instructor or department for details.	

SOCY839A **Research Seminar in Organizations and Occupations; Research Work in Progress**
Contact department for information to register for this course.

SOCY849 **Research Seminar in Demography**

SOCY849 Research Seminar in Demography; (1 credit) Grade Method: REG/AUD.

0101	Harriet Presser	Seats (Total: 10)
	Contact instructor or department for details.	

SOCY858 **Research Seminar in Gender, Work and Family**

SOCY858 Research Seminar in Gender, Work and Family; (1 credit) Grade Method: REG/AUD.

0101	Suzanne Bianchi	Seats (Total: 20)
	Contact instructor or department for details.	

SOCY869 **Research Seminar in Military Sociology**

SOCY869 Research Seminar in Military Sociology; (1 credit) Grade Method: REG/AUD.

0101	David Segal	Seats (Total: 10)
	Contact instructor or department for details.	

SOCY889 **Research Seminar in Social Stratification**

SOCY889 Research Seminar in Social Stratification; (1 credit) Grade Method: REG/AUD.

0101	Lewis Landry	Seats (Total: 10)
	Contact instructor or department for details.	

SOCY898 **Pre-Candidacy Research**

SOCY898 *(PermReq)* **Pre-Candidacy Research; (1-8 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

SOCY899 **Doctoral Dissertation Research**

SOCY899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

SPAN Spanish Spring 2009

SPAN103 **Intensive Elementary Spanish**

Students with no experience in the language are invited to register for SPAN103.
SPAN103 Intensive Elementary Spanish; (4 credits) Grade Method: REG/P-F/AUD. *Not open to students who have completed SPAN101, SPAN102, more than two years of high school Spanish, or to fluent/native speakers of Spanish. Credit will be granted for only one of the following: SPAN102 or SPAN103.* Covers speaking, reading, writing, listening, and culture of Spanish-speaking world. Limited exceptions may be granted for students with weak preparation or several years' lapse since the study in high school. Students must present high school and/or college transcripts on the first day of class to assure proper placement. Exceptions must be approved in advance by the departmental advisor, JMZ 2202.

0101	Elisabeth Arevalo-Guerrero MTuWF 10:00am - 10:50am	Seats (Total: 25) JMZ 0103
0201	Elisabeth Arevalo-Guerrero MWF 11:00am - 11:50am Tu 11:00am - 11:50am	Seats (Total: 25) JMZ 0120 JMZ 1224
0301	Elisabeth Arevalo-Guerrero MWF 12:00pm - 12:50pm Tu 12:00pm - 12:50pm	Seats (Total: 25) JMZ 0208 JMZ 1224
0401	Gustavo Chaves MTuWF 1:00pm - 1:50pm	Seats (Total: 25) JMZ 0125
0501	Mohamad Esmaili MTuWF 2:00pm - 2:50pm	Seats (Total: 25) JMZ 2122

SPAN203 **Intensive Intermediate Spanish**

SPAN203 Intensive Intermediate Spanish; (4 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course.
Prerequisite: SPAN103 or equivalent. Not open to students who have completed four years of high school Spanish or to fluent/native speakers of Spanish. Credit will be granted for only one of the following: SPAN201 or SPAN203. Formerly SPAN201. Covers speaking, reading, writing, listening, and culture of Spanish-speaking world.

0101	Rachael Shade MWThF 9:00am - 9:50am	Seats (Total: 25) JMZ 0103

0201	Rachael Shade MWThF 10:00am - 10:50am	Seats (Total: 25) JMZ 0105
0401	Anthony Barilla MWF 11:00am - 11:50am Th 11:00am - 11:50am	Seats (Total: 25) JMZ 0105 JMZ 0103
0601	Fabian Faccio MWF 12:00pm - 12:50pm Th 12:00pm - 12:50pm	Seats (Total: 25) JMZ 1122 JMZ 0103
0701	Anthony Barilla MWThF 1:00pm - 1:50pm	Seats (Total: 25) JMZ 0122
0801	Rebeca Moreno-Orama MWF 1:00pm - 1:50pm Th 1:00pm - 1:50pm	Seats (Total: 25) JMZ 3203 JMZ 2120
0901	Rebeca Moreno-Orama MWThF 2:00pm - 2:50pm	Seats (Total: 25) JMZ 1122
1001	Ana Trapp MWF 11:00am - 11:50am Th 11:00am - 11:50am	Seats (Total: 25) BPS 1238 HBK 0108

SPAN204 **Spanish Grammar Review**

SPAN204 Spanish Grammar Review; (3 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course.
Prerequisite: SPAN203 (formerly SPAN201); or high school level 4 or 5 with a grade of A or B; or permission of department. Not open to students who have completed SPAN202 or to native/fluent speakers of Spanish. Credit will be granted for only one of the following: SPAN202 or SPAN204. Formerly SPAN202. An in-depth study and analysis of selected grammatical topics in a contextualized framework.

0101	Goretti Prieto Botana MWF 10:00am - 10:50am	Seats (Total: 25) JMZ 0118
0201	Goretti Prieto Botana MWF 11:00am - 11:50am	Seats (Total: 25) JMZ 3203

0301	Diego Panasiti MWF 12:00pm - 12:50pm	Seats (Total: 25) JMZ 2117
0401	Kathryn Taylor MWF 1:00pm - 1:50pm	Seats (Total: 25) JMZ 0118
0501	Kathryn Taylor MWF 2:00pm - 2:50pm	Seats (Total: 25) JMZ 0103
0601	Diego Panasiti MWF 11:00am - 11:50am	Seats (Total: 25) JMZ 0118

SPAN207 **Reading and Writing in Spanish**

SPAN207 Reading and Writing in Spanish; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: SPAN203 with a grade of B+ or higher; or SPAN204 or concurrent SPAN204; or equivalent knowledge; or permission of department. Selected readings with emphasis on reading comprehension and the development of reading strategies. Work in composition writing and a review of selected grammatical topics. Complements material of SPAN204.

0101	Karen Krausen MWF 10:00am - 10:50am	Seats (Total: 25) JMZ 2207
0201	Karen Krausen MWF 11:00am - 11:50am	Seats (Total: 25) JMZ 2207
0301	Christine Willie MWF 12:00pm - 12:50pm	Seats (Total: 25) JMZ 2207
0401	Christine Willie MWF 1:00pm - 1:50pm	Seats (Total: 25) JMZ 2207
0501	Megan Gilmore MWF 2:00pm - 2:50pm	Seats (Total: 25) JMZ 2123

SPAN222 **Cultural Difference in Contemporary Latin America**

SPAN222 Cultural Difference in Contemporary Latin America; (3 credits) Grade Method: REG/P-F/AUD. CORE Literature (HL) Course. CORE Diversity (D) Course. Introduction to representations and expressions in Latin America: cultural stereotypes, representations of difference, forms of discrimination, sublimation of difference into national identity, and the staging of the other. Taught in English.

0101	Maria Munoz TuTh 12:30pm - 1:45pm	Seats (Total: 35) TYD 0111
0102	Maria Munoz TuTh 11:00am - 12:15pm	Seats (Total: 35) HZF 0106

SPAN235 **Issues in Latin American Studies II**

SPAN235 Issues in Latin American Studies II; (3 credits) Grade Method: REG. CORE Humanities (HO) Course. CORE Diversity (D) Course.
Also offered as PORT235 and LASC235. Credit will be granted for only one of the following: SPAN235 or PORT235 or LASC235. Major issues shaping Latin American and Caribbean societies including the changing constructions of race, ethnicity, gender and class as well as expressions of popular cultures and revolutionary practices. A continuation of SPAN/PORT/LASC234, but completion of 234 is not a prerequisite. Taught in English.

0101	Blenda Femenias TuTh 11:00am - 12:15pm	Seats (Total: 35) CHM 2201

SPAN301 **Advanced Grammar and Composition I**

SPAN301 Advanced Grammar and Composition I; (3 credits) Grade Method: REG/P-F/AUD.
Pre- or corequisite: SPAN207. Practice of complex grammatical structures through reading and writing of compositions and essays. Specific lexical, syntactic, rhetorical, and stylistic devices will be highlighted.

0101	Ana Acedo Garcia MWF 10:00am - 10:50am	Seats (Total: 20) JMZ 1122
0201	Sofia Calzada-Orihuela MWF 1:00pm - 1:50pm	Seats (Total: 20) JMZ 2122

0301	Ana Acedo Garcia MWF 11:00am - 11:50am	Seats (Total: 20) JMZ 1122
0401	Laura Quijano MWF 12:00pm - 12:50pm	Seats (Total: 20) JMZ 2206
0501	Laura Quijano MWF 1:00pm - 1:50pm	Seats (Total: 20) JMZ 1124
0601	Rocio Gordon MWF 2:00pm - 2:50pm	Seats (Total: 20) JMZ 1224

SPAN302 **Advanced Grammar and Composition II**

SPAN302 Advanced Grammar and Composition II; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: SPAN301. Practice in and writing of different types of compositions and essays, including narrations, descriptions, and persuasive writing. Review of problematic syntactical structures.

0101	Ana Acedo Garcia MWF 12:00pm - 12:50pm	Seats (Total: 20) JMZ 1215
0201	Ana Acedo Garcia MWF 1:00pm - 1:50pm	Seats (Total: 20) JMZ 1215
0301	Ana Acedo Garcia MWF 2:00pm - 2:50pm	Seats (Total: 20) JMZ 0118

SPAN303 **Approaches to Cultural Materials in the Hispanic World**

SPAN303 Approaches to Cultural Materials in the Hispanic World; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: SPAN207 or permission of instructor. Development of proficiency in critical thought through the reading, viewing, and analytical discussion of major genres and styles of cultural materials selected from Spanish-speaking world. In Spanish.

0201	Cristina Burneo TuTh 2:00pm - 3:15pm	Seats (Total: 20) JMZ 1215

SPAN306 **Spanish II for Native Speakers**

SPAN306 Spanish II for Native Speakers; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: SPAN206. Practice of complex grammatical structures through reading and writing of compositions and essays. Specific lexical, syntactic, rhetorical and stylistic devices will be highlighted. Designed for Spanish speakers educated in English.

0101	Dolores Lima MWF 11:00am - 11:50am	Seats (Total: 25) JMZ 3205

SPAN307 **Oral Communication Skills for Native Speakers of Spanish**

SPAN307 Oral Communication Skills for Native Speakers of Spanish; (3 credits) Grade Method: REG/P-F/AUD.
Development of techniques for formal public speaking in Spanish. Writing and delivering oral presentations for varied audiences and purposes. Includes strategies for organization, the use of rhetorical patterns, and the development of effective discourse. Designed for bilingual students who are native speakers of Spanish (Heritage Language learners), who have been educated in the U.S. and whose Spanish ability is mainly oral.

0101	Dolores Lima MWF 1:00pm - 1:50pm	Seats (Total: 25) JMZ 0120

SPAN310 **Spanish Phonetics**

SPAN310 Spanish Phonetics; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: SPAN301 and SPAN303; or permission of department. Descriptive study of the Spanish sound system. Practice in phonetic perception, transcription, and articulation. Particular attention to sentence phonetics; juncture, rhythm, stress, pitch.

0101	Manel Lacorte Tu 2:00pm - 3:15pm Th 2:00pm - 3:15pm	Seats (Total: 25) JMZ 2123 JMZ 3205

SPAN311 **Advanced Conversation I**

SPAN311 Advanced Conversation I; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: SPAN204 or SPAN211 or permission of department. Not open to native/fluent speakers of Spanish.* Further development of listening and speaking skills in Spanish. Opportunity to develop oral fluency, improve pronunciation and increase vocabulary. Individual and/or group oral presentations.

0101	Dolores Lima MWF 12:00pm - 12:50pm	Seats (Total: 20) JMZ 0205
0201	Carolina Gomez-Montoya MWF 10:00am - 10:50am *Prerequiste: permission of department.*	Seats (Total: 20) JMZ 0208

SPAN317 **Translation II**

SPAN317 Translation II; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: SPAN316.* Translation of non-literary, non-technical texts into Spanish and/or English.

0101	Maria Campero TuTh 9:30am - 10:45am	Seats (Total: 20) EDU 3233
0201	Alejandra Echazu TuTh 12:30pm - 1:45pm	Seats (Total: 20) JMZ 3203
0301	Norman Gonzalez TuTh 2:00pm - 3:15pm	Seats (Total: 20) JMZ 2120

SPAN332 **Spanish Culture, Civilization and Literature II: Renaissance and Baroque**

SPAN332 Spanish Culture, Civilization and Literature II: Renaissance and Baroque; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: SPAN301 and SPAN303; or permission of instructor.* An overview of cultural and literary production of Spain from the late 15th through late 17th centuries, exploring the production of literary texts in their socio-historical, political, religious and cultural contexts and development. In Spanish.

0101	Mehl Penrose TuTh 11:00am - 12:15pm	Seats (Total: 25) JMZ 0120

SPAN333 **Spanish Culture, Civilization and Literature III: Modern Times**

SPAN333 Spanish Culture, Civilization and Literature III: Modern Times; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: SPAN301 and SPAN303 or permission of instructor. Not open to students who have completed SPAN322 or SPAN326. Credit will be granted for only one of the following: SPAN322, SPAN326, or SPAN333. An overview of cultural and literary production of Spain from the late 17th century through the present day, exploring the production of literary texts in their socio-historical, political, religious and cultural contexts and development. In Spanish.

0101	Carolina Gomez-Montoya MWF 11:00am - 11:50am	Seats (Total: 25) JMZ 1117

SPAN362 **Latin American Literatures and Cultures II: From Independence to Nation Formation**

SPAN362 Latin American Literatures and Cultures II: From Independence to Nation Formation; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: SPAN301 and SPAN303 or permission of instructor. An overview of cultural and literary production of Latin America from the 18th Century to approximately 1900, exploring the production of literary texts in their socio-historical, political, and cultural contexts and development. In Spanish.

0101	Ana Rodriguez MWF 11:00am - 11:50am	Seats (Total: 25) JMZ 2117
0201	Laura Demaria MW 3:00pm - 4:15pm	Seats (Total: 25) JMZ 2122
0301	Eyda Merediz MWF 2:00pm - 2:50pm	Seats (Total: 25) JMZ 3203

SPAN363 **Latin American Literatures and Cultures III: From Modernism to Neo-Liberalism**

SPAN363 Latin American Literatures and Cultures III: From Modernism to Neo-Liberalism; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: SPAN301 and SPAN303, or permission of instructor. Not open to students who have completed SPAN324 or SPAN347. Credit will be granted for only one of the following: SPAN324, SPAN347, SPAN363. An overview of cultural and literary production of Latin America from the late 19th through the early 21st centuries, exploring the production of literary texts in their socio-historical, political, and cultural contexts and development. In Spanish.

0101	Juan Carlos Quintero-Herencia TuTh 9:30am - 10:45am	Seats (Total: 25) JMZ 2117
0201	Juan Carlos Quintero-Herencia TuTh 11:00am - 12:15pm	Seats (Total: 25) JMZ 3203

SPAN386 **Experiential Learning**

SPAN386 *(PermReq)* **Experiential Learning; (3-6 credits)** Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: permission of department. Junior standing.

Contact department for information to register for this course.

SPAN399 **Independent Study in Spanish**

SPAN399 *(PermReq)* **Independent Study in Spanish; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Previous permission by the instructor is required for enrollment in this course.

Contact department for information to register for this course.

SPAN401 **Advanced Composition I**
Contact department for information to register for this course.

SPAN408 **Great Themes of the Hispanic Literatures**
Contact department for information to register for this course.

SPAN408P **Great Themes of the Hispanic Literatures; The Central American Isthmus**

SPAN408P Great Themes of the Hispanic Literatures: The Central American Isthmus; (3 credits) Grade Method: REG/P-F/AUD.

0101	Ana Rodriguez	Seats (Total: 25)
	MWF 10:00am - 10:50am	JMZ 2206

SPAN408Q **Great Themes of the Hispanic Literatures; Latin American Popular Culture: Telenovelas and the Global Market**

SPAN408Q Great Themes of the Hispanic Literatures: Latin American Popular Culture: Telenovelas and the Global Market; (3 credits) Grade Method: REG/P-F/AUD.

0101	Eyda Merediz	Seats (Total: 25)
	MWF 1:00pm - 1:50pm	JMZ 3120

SPAN408R **Great Themes of the Hispanic Literatures; Gender Nonconformity: Social and Cultural Representations**

SPAN408R Great Themes of the Hispanic Literatures: Gender Nonconformity: Social and Cultural Representations; (3 credits) Grade Method: REG/P-F/AUD.

0101	Mehl Penrose	Seats (Total: 25)
	TuTh 12:30pm - 1:45pm	JMZ 2206

SPAN408T **Great Themes of the Hispanic Literatures; Jorge Luis Borges**
Contact department for information to register for this course.

SPAN408W **Great Themes of the Hispanic Literatures; Introduction to Modern Mexican Literature**

SPAN408W Great Themes of the Hispanic Literatures: Introduction to Modern Mexican Literature; (3 credits) Grade Method: REG/P-F/AUD.

0101	Sandra Cypess	Seats (Total: 25)
	TuTh 2:00pm - 3:15pm	JMZ 0208

SPAN409T **Great Themes of the Hispanic Literatures; Trends of Spanish Literature**
Contact department for information to register for this course.

SPAN410 **Literature of the Middle Ages I**

Contact department for information to register for this course.

SPAN415 **Commercial Spanish II**

SPAN415 Commercial Spanish II; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: SPAN 315 or permission of department. Sophomore standing.* Business Spanish terminology, vocabulary and practices. Emphasis on everyday spoken and written Spanish. Readings and discussions of international topics. Cross-cultural considerations relative to international business operations, including exporting and banking.

0101	Carmen Ruzza TuTh 9:30am - 10:45am	Seats (Total: 25) JMZ 1124
0201	Carmen Ruzza TuTh 11:00am - 12:15pm	Seats (Total: 25) JMZ 3205
0301	Carmen Ruzza TuTh 12:30pm - 1:45pm	Seats (Total: 25) JMZ 0205
0401	Anthony Barilla TuTh 2:00pm - 3:15pm	Seats (Total: 25) JMZ 3203

SPAN417 **Practicum in Translation VI**

SPAN417 Practicum in Translation VI; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: SPAN416 or permission of department.* Translation of complete literary texts from Spanish into English. Evaluation of different versions of the original. Problems of interpretation, literary structure and analysis.

0101	Anthony Barilla MWF 12:00pm - 12:50pm	Seats (Total: 20) JMZ 0118

SPAN422 **Cross-Cultural Communication**

SPAN422 Cross-Cultural Communication; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: SPAN315. Junior standing. For SPAN majors only. Focuses on the relationship of language and culture of those operating in world markets. Particular attention will be given to cross-cultural communication, linguistic systems, and culture specific perceptions of the Hispanic world.

0101	Roberta Lavine	Seats (Total: 25)
	TuTh 11:00am - 12:15pm	PLS 1129

SPAN425 **Introduction to Hispanic Linguistics I: Basic Concepts**
Contact department for information to register for this course.

SPAN426 **Introduction to Hispanic Linguistics II: Language in Use**

SPAN426 Introduction to Hispanic Linguistics II: Language in Use; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: SPAN425. Also offered as SPAN626. Designed for students without previous experience in Linguistics. Focus on language variation and use, linguistic change, and bilingualism.

0101	Manel Lacorte	Seats (Total: 20)
	TuTh 4:30pm - 5:45pm	JMZ 3205

SPAN431 **Cervantes: Novelas Ejemplares and Entremeses**
Contact department for information to register for this course.

SPAN435 **Prose of the 17th Century**
Contact department for information to register for this course.

SPAN440 **Literature of the Eighteenth Century**
Contact department for information to register for this course.

SPAN449 **Special Topics in Spanish Civilization**
Contact department for information to register for this course.

SPAN462 **Twentieth Century Drama**
Contact department for information to register for this course.

SPAN466 **The Contemporary Spanish Novel**

Contact department for information to register for this course.

SPAN479 **Honors Thesis**

Contact department for information to register for this course.

SPAN495 **Honors Reading**

SPAN495 Honors Reading; (3 credits) Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number. *Prerequisite: admittance to Spanish and Portuguese Honors or permission of department.* Supervised reading.

Contact department for information to register for this course.

SPAN698B **Masterpieces of Hispanic Literatures; Borges, Tradition and Theory**

SPAN698B Masterpieces of Hispanic Literatures: Borges, Tradition and Theory; (3 credits) Grade Method: REG.

0101	Sergio Waisman	Seats (Total: 10)
	Th 5:00pm - 7:30pm	JMZ 3120

SPAN699 **Independent Study in Spanish**

SPAN699 Independent Study in Spanish; (1-3 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

SPAN788A **Special Topics in Spanish and Latin American Languages, Literatures, and Cultures**

SPAN788A Special Topics in Spanish and Latin American Languages, Literatures, and Cultures; (1 credit) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

SPAN798R **Open Seminar; Between Fiction & Politics: Rethinking the 60'in the Southern Cone**

SPAN798R Open Seminar: Between Fiction & Politics: Rethinking the 60'in the Southern Cone; (3 credits) Grade Method: REG/AUD.

0101	Laura Demaria	Seats (Total: 10)
	M 4:30pm - 7:00pm	JMZ 1117

SPAN798V **Open Seminar; Legacy of the Concept of Value in the Spanish Middle Ages: Language as Currency**

SPAN798V Open Seminar: Legacy of the Concept of Value in the Spanish Middle Ages: Language as Currency; (3 credits) Grade Method: REG/AUD.

0101	Carmen Benito-Vessels	Seats (Total: 10)
	W 4:30pm - 7:00pm	JMZ 3205

SPAN798W **Open Seminar; Latin American Theater**

SPAN798W Open Seminar: Latin American Theater; (3 credits) Grade Method: REG/AUD.

0101	Sandra Cypess	Seats (Total: 10)
	Tu 4:30pm - 7:00pm	JMZ 3120

SPAN799 **Master's Thesis Research**

SPAN799 Master's Thesis Research; (1-6 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

SPAN898 **Pre-Candidacy Research**

SPAN898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

SPAN899 **Doctoral Dissertation Research**

SPAN899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

SPHL Public Health Spring 2009

SPHL498A **Special Topics in Public Health; Introduction to Global Health**

SPHL498A Special Topics in Public Health: Introduction to Global Health; (3 credits) Grade Method: REG/P-F/AUD.
Click here for more course information.

SG91	Muhiuddin Haider	Seats (Total: 40)
	Th 1:00pm - 3:50pm	SG3 3032
	This course will meet at the Universities at Shady Grove campus.	

SPHL498E **Special Topics in Public Health; History of Public Health**

SPHL498E Special Topics in Public Health: History of Public Health; (3 credits)
Grade Method: REG/P-F/AUD.
Junior standing.
Click here for more course information.

0101	John Parascandola	Seats (Total: 25)
	TuTh 2:00pm - 3:15pm	SPH 0307

STAT Statistics and Probability Spring 2009

STAT100 **Elementary Statistics and Probability**

STAT100 Elementary Statistics and Probability; (3 credits) Grade Method: REG/P-F/AUD. CORE Mathematics or Formal Reasoning (MS) Course.
Prerequisite: permission of Math Department based on satisfactory score on MATHEMATICS PLACEMENT EXAM; or MATH110, MATH112, MATH113, or MATH115. Not open to students who have completed MATH111 or any MATH or STAT course with a prerequisite of MATH141. Credit will be granted for only one of the following: MATH111 or STAT100. Simplest tests of statistical hypotheses; applications to before-and-after and matched pair studies. Events, probability, combinations, independence. Binomial probabilities, confidence limits. Random variables, expected values, median, variance. Tests based on ranks. Law of large numbers, normal approximation. Estimates of mean and variance.

0101	Casey Cremins MWF 12:00pm - 12:50pm	Seats (Total: 27) MTH 0101
0102	Xin Song MWF 12:00pm - 12:50pm	Seats (Total: 27) MTH 0105
0103	Natalia Tchetcherina MWF 12:00pm - 12:50pm	Seats (Total: 27) MTH 0201
0104	Damon Gulczynski MWF 12:00pm - 12:50pm	Seats (Total: 27) MTH 0403
0105	Huitian Lei MWF 12:00pm - 12:50pm	Seats (Total: 27) MTH 0304
0201	Xin Song MWF 2:00pm - 2:50pm	Seats (Total: 27) MTH 0305
0202	Natalia Tchetcherina MWF 2:00pm - 2:50pm	Seats (Total: 27) MTH 0201
0203	Albert Hergenroeder MWF 2:00pm - 2:50pm	Seats (Total: 27) MTH 0411
0204	Damon Gulczynski MWF 2:00pm - 2:50pm	Seats (Total: 27) MTH 0103
0205	Huitian Lei MWF 2:00pm - 2:50pm	Seats (Total: 27) MTH 0409

STAT400 **Applied Probability and Statistics I**

STAT400 Applied Probability and Statistics I; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: MATH 131 with a grade of C or better, or MATH 141 or equivalent. Not acceptable toward graduate degrees in STAT, AMSC, or MATH. Credit will be granted for only one of the following: BMGT231, ENEE324 or STAT400. These courses are not interchangeable. Consult your program requirements or advisor for what is acceptable toward your program of study. Random variables, standard distributions, moments, law of large numbers and central limit theorem. Sampling methods, estimation of parameters, testing of hypotheses.

0111	Giovanni Forni TuTh 11:00am - 12:15pm W 8:00am - 9:15am	Seats (Total: 26) ARM 0126 MTH 0401	Discussion
0112	Giovanni Forni TuTh 11:00am - 12:15pm W 8:00am - 9:15am	Seats (Total: 26) ARM 0126 MTH 0403	Discussion
0121	Giovanni Forni TuTh 11:00am - 12:15pm W 9:30am - 10:45am	Seats (Total: 26) ARM 0126 MTH 0401	Discussion
0122	Giovanni Forni TuTh 11:00am - 12:15pm W 9:30am - 10:45am	Seats (Total: 26) ARM 0126 MTH 0403	Discussion
0131	Giovanni Forni TuTh 11:00am - 12:15pm W 12:30pm - 1:45pm	Seats (Total: 26) ARM 0126 MTH 0401	Discussion
0132	Giovanni Forni TuTh 11:00am - 12:15pm W 12:30pm - 1:45pm	Seats (Total: 26) ARM 0126 MTH 0405	Discussion
0141	Giovanni Forni TuTh 11:00am - 12:15pm W 2:00pm - 3:15pm	Seats (Total: 26) ARM 0126 MTH 0401	Discussion

0142	Giovanni Forni TuTh 11:00am - 12:15pm W 2:00pm - 3:15pm	Seats (Total: 26) ARM 0126 MTH 0307	 Discussion

STAT401 **Applied Probability and Statistics II**

STAT401 Applied Probability and Statistics II; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: STAT400 (Not acceptable toward graduate degrees in STAT, AMSC, or MATH). Point estimation - unbiased and consistent estimators. Interval estimation. Minimum variance and maximum likelihood estimators. Testing of hypotheses. Regression, correlation and analysis of variance. Sampling distributions. Elements of non-parametric methods.

0101	Grace Yang TuTh 11:00am - 12:15pm	Seats (Total: 28) MTH B0427
0201	Casey Cremins TuTh 2:00pm - 3:15pm	Seats (Total: 28) MTH B0425

STAT410 **Introduction to Probability Theory**

STAT410 Introduction to Probability Theory; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: MATH240 and MATH241. Also offered as SURV410. Credit will be granted for only one of the following: STAT410 or SURV410. Probability and its properties. Random variables and distribution functions in one and several dimensions. Moments. Characteristic functions. Limit theorems.

0101	Benjamin Kedem MWF 9:00am - 9:50am	Seats (Total: 30) MTH B0425
0201	Mark Freidlin TuTh 12:30pm - 1:45pm	Seats (Total: 30) MTH 0403

STAT420 **Introduction to Statistics**

STAT420 Introduction to Statistics; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: STAT410 or SURV410. Also offered as SURV420. Credit will be granted for only one of the following: STAT420 or SURV420.* Point estimation, sufficiency, completeness, Cramer-Rao inequality, maximum likelihood. Confidence intervals for parameters of normal distribution. Hypothesis testing, most powerful tests, likelihood ratio tests. Chi-square tests, analysis of variance, regression, correlation. Nonparametric methods. Course is offered in the spring semester only.

0101	Jian Lun Xu	Seats (Total: 48)
	TuTh 5:00pm - 6:15pm	MTH B0421

STAT430 **Introduction to Statistical Computing with SAS**

STAT430 Introduction to Statistical Computing with SAS; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: STAT400 or permission of instructor. Descriptive and inferential statistics. SAS software: numerical and graphical data summaries; merging, sorting and splitting data sets. Least squares, regression, graphics and informal diagnostics, interpreting results. Categorical data, lifetime data, time series. Applications to engineering, life science, business and social science.

0101	Eric Slud	Seats (Total: 38)
	MWF 11:00am - 11:50am	CHE 2118

STAT470 **Actuarial Mathematics**

STAT470 Actuarial Mathematics; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: Calculus through MATH240 and MATH241. Recommended: STAT400. Major mathematical ideas involved in calculation of life insurance premiums, including compound interest and present valuation of future income streams; probability distribution and expected values derived from life tables; the interpolation of probability distributions from values estimated at one-year multiples; the 'Law of Large Numbers' describing the regular probabilistic behavior of large populations of independent individuals; and the detailed calculation of expected present values arising in insurance problems.

0101	Harland Glaz	Seats (Total: 30)
	TuTh 9:30am - 10:45am	MTH 0307

STAT498A **Selected Topics in Statistics**

STAT498A *(PermReq)* **Selected Topics in Statistics; (1-6 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

STAT601 **Probability Theory II**

STAT601 Probability Theory II; (3 credits) Grade Method: REG/AUD. *Prerequisite: STAT 600.* Characteristic functions. Bochner's representation theorem. Helly's theorems and Levy's inversion formula. Applications of residue theorem. Infinitely divisible distributions. Kolmogorov's three-series theorem. Law of the iterated logarithm. Arc sine Law. Central limit theorems (Lindeberg-Feller theorem). Weak and strong laws of large numbers. Martingale convergence theorems (for sequences). Course is offered in the spring semester only.

0101	Leonid Koralov	Seats (Total: 25)
	MWF 1:00pm - 1:50pm	MTH 0411

STAT650 **Applied Stochastic Processes**

STAT650 Applied Stochastic Processes; (3 credits) Grade Method: REG/AUD. *Prerequisite: STAT 410 or MATH 410 with one semester of probability.* Basic concepts of stochastic processes. Renewal processes and random walks, fluctuation theory. Stationary processes, spectral analysis. Markov chains and processes (discrete and continuous parameters.) Birth and death processes, diffusion processes. Applications from theories of queuing, storage, inventory, epidemics, noise, prediction and others. Course is offered in the spring semester only.

0101	Grace Yang	Seats (Total: 30)
	TuTh 5:00pm - 6:15pm	MTH 0302

STAT689 **Research Interactions in Statistics**

STAT689 *(PermReq)* **Research Interactions in Statistics; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

STAT698A **Selected Topics in Probability**

STAT698A Selected Topics in Probability; (1-4 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

STAT698D **Selected Topics in Probability; Large Deviations and Averaging for Random and Deterministic Perturbations**

STAT698D Selected Topics in Probability: Large Deviations and Averaging for Random and Deterministic Perturbations; (1-4 credits) Grade Method: REG/AUD.

0101	Mark Freidlin	Seats (Total: 30)
	TuTh 11:00am - 12:15pm	MTH 0307

STAT701 **Mathematical Statistics II**

STAT701 Mathematical Statistics II; (3 credits) Grade Method: REG/AUD. *Prerequisite: STAT 700 or equivalent.* Testing hypotheses: parametric methods. Neyman-Pearson lemma. Uniformly most powerful tests. Unbiased tests. Locally optimal tests. Large sample theory, asymptotically best procedures. Nonparametric methods, Wilcoxon, Fisher-Yates, median tests. Linear models, analysis of variance, regression and correlation. Sequential analysis. Course is offered in the spring semester only.

0101	Eric Slud	Seats (Total: 25)
	MW 5:00pm - 6:15pm	MTH 0401

STAT730 **Time Series Analysis**

STAT730 Time Series Analysis; (3 credits) Grade Method: REG/AUD. *Prerequisites: STAT 700 plus a graduate course in analysis, or permission of instructor. Recommended: STAT 701, STAT 650.* The methodology of probabilistic description and statistical analysis of (primarily stationary) random sequences and processes. Correlation functions, Gaussian processes, Hilbert-space methods including Wold decomposition and spectral representation, periodogram and estimation of spectral densities, parameter estimation and model identification for ARMA processes, linear filtering, Kalman-Bucy filtering, sampling theorems for continuous-time series, multivariate time series.

0101	Benjamin Kedem	Seats (Total: 30)
	MWF 2:00pm - 2:50pm	MTH 0403

STAT741 **Linear Statistical Models II**

STAT741 Linear Statistical Models II; (3 credits) Grade Method: REG/AUD. *Prerequisite: STAT 740.* Continuation of STAT 740. Multiway layouts, incomplete designs, Latin squares, complete and fractional factorial designs, crossed and nested models. Balanced random effects models, mixed models, repeated measures.General mixed model, computational algorithms, ML and REML estimates. Generalized linear models, logistic and loglinear regression. Course is offered in the spring semester only.

0101	Paul Smith	Seats (Total: 30)
	MWF 10:00am - 10:50am	MTH 0102

STAT798A **Selected Topics in Statistics**

STAT798A Selected Topics in Statistics; (1-4 credits) Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

STAT798E **Selected Topics in Statistics; Topics in Mathematical Statistics**

STAT798E *(PermReq)* **Selected Topics in Statistics: Topics in Mathematical Statistics; (1-4 credits)** Grade Method: REG/AUD.

0101	Eric Slud	Seats (Total: 10)
	Contact instructor or department for details.	

STAT799 **Master's Thesis Research**

STAT799 Master's Thesis Research; (1-6 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

STAT898 **Pre-Candidacy Research**

STAT898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

STAT899 **Doctoral Dissertation Research**

STAT899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

SURV Survey Methodology Spring 2009

SURV400 **Fundamentals of Survey Methodology**

SURV400 Fundamentals of Survey Methodology; (3 credits) Grade Method: REG. *Prerequisite: STAT100 or permission of department. Credit will be granted for only one of the following: SURV699M or SURV400. Formerly SURV699M.* Introduces the student to a set of principles of survey design that are the basis of standard practices in the field. The course exposes the student to both observational and experimental methods to test key hypotheses about the nature of human behavior that affect the quality of survey data. It will also present important statistical concepts and techniques in simple design, execution, and estimation, as well as models of behavior describing errors in responding to survey questions. Not acceptable to graduate degrees in SURV.

0101	David Cantor	Seats (Total: 20)
	Th 12:00pm - 2:45pm	LEF 1208

SURV410 **Introduction to Probability Theory**

SURV410 Introduction to Probability Theory; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: MATH240; and MATH241 or permission of department. Also offered as STAT410. Credit will be granted for only one of the following: SURV410 or STAT410. Probability and its properties. Random variables and distribution functions in one and several dimensions. Moments, characteristic functions, and limit theorems.

0101	Benjamin Kedem MWF 9:00am - 9:50am	Seats (Total: 30) MTH B0425
0201	Mark Freidlin TuTh 12:30pm - 1:45pm	Seats (Total: 30) MTH 0403

SURV420 **Introduction to Statistics**

SURV420 Introduction to Statistics; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: SURV410 or STAT410. Also offered as STAT420. Credit will be granted for only one of the following: STAT420 or SURV420.* Mathematical statistics, presenting point estimation, sufficiency, completeness, Cramer-Rao inequality, maximum likelihood, confidence intervals for parameters of normal distributions, chi-square tests, analysis of variance, regression, correlation, and nonparametric methods. Course is offered in the spring semester only.

0101	Jian Lun Xu TuTh 5:00pm - 6:15pm	Seats (Total: 48) MTH B0421

SURV616 **Statistical Methods II**

SURV616 Statistical Methods II; (3 credits) Grade Method: REG/AUD. *Prerequisite: SURV 615.* Builds on the introduction to linear models and data analysis provided in Statistical Methods I. Topics include analysis of longitudinal data and time series, categorical data analysis and contingency tables, logistic regression, log-linear models for counts, statistical methods in epidemiology, and introductory life testing. The first class starts on 1/13/09.

0101	Richard Valliant **Meets January 13, 2009 - May 12, 2009** Tu 2:00pm - 4:45pm	Seats (Total: 20) LEF 1208

SURV625 **Applied Sampling**

SURV625 Applied Sampling; (3 credits) Grade Method: REG/AUD.
Prerequisite: statistics course approved by the department. Practical aspects of sample design. Topics include: probability sampling (including simple random, systematic, stratified, clustered, multistage and two-phase sampling methods), sampling with probabilities proportional to size, area sampling, telephone sampling, ratio estimation, sampling error estimation, frame problems, nonresponse, and cost factors.

0101	Partha Lahiri	Seats (Total: 20)
	Meets January 14, 2009 - May 12, 2009	
	W 12:00pm - 3:00pm	Location: TBA
	This section offers a second location that will meet at the U.S. Census Bureau.	
0201	James Lepkowski	Seats (Total: 20)
	Meets January 14, 2009 - May 12, 2009	
	W 12:00pm - 3:00pm	LEF 1208

SURV630 **Questionnaire Design**

SURV630 Questionnaire Design; (3 credits) Grade Method: REG/AUD.
The stages of questionnaire design; developmental interviewing, question writing, question evaluation, pretesting, and questionnaire ordering and formatting. Reviews of the literature on questionnaire construction, the experimental literature on question effects, and the psychological literature on information processing. Examination of the diverse challenges posed by self versus proxy reporting and special attention is paid to the relationship between mode of administration and questionnaire design.

0101	Frauke Kreuter	Seats (Total: 15)
	Meets January 28, 2009 - April 22, 2009	
	W 5:30pm - 8:10pm	LEF 1208

SURV640 **Survey Practicum I**

SURV640 *(PermReq)* **Survey Practicum I; (2 credits)** Grade Method: REG. *Prerequisite: SURV640 and SURV641 must be taken in consecutive semesters. Restrictedto degree seeking students in JPSM or permission of the instructor. For SURV majors only. Credit will be granted for only one of the following: SURV620 or SURV640. Formerly SURV620.* First part of an applied workshop in sample survey design, implementation, and analysis. Problems of moving from substantive concepts to questions on a survey questionnaire, designing a sample, pretesting and adminstering the survey.

0101	Katharine Abraham	Seats (Total: 15)
	M 4:00pm - 6:00pm	LEF 2208

SURV699 **Special Topics in Survey Methodology; Readings in Survey Methodology**

SURV699 Special Topics in Survey Methodology: Readings in Survey Methodology; (1-4 credits) Grade Method: REG/AUD.

0101	Roger Tourangeau	Seats (Total: 10)
	Contact instructor or department for details.	
0201	Robert Croninger	Seats (Total: 10)
	Contact instructor or department for details.	

SURV699A **Special Topics in Survey Methodology; Categorical Data Analysis**

SURV699A Special Topics in Survey Methodology: Categorical Data Analysis; (3 credits) Grade Method: REG/AUD.
Click here for more course information.

0101	Allan McCutcheon	Seats (Total: 20)
	Tu 6:15pm - 9:00pm	LEF 1208

SURV699C **Special Topics in Survey Methodology; Cross-Cultural and Multipopulation Survey Research**

SURV699C Special Topics in Survey Methodology: Cross-Cultural and Multipopulation Survey Research; (3 credits) Grade Method: REG/AUD.
Click here for more course information.

0101	Janet Harkness	Seats (Total: 20)
	M 6:00pm - 8:45pm	LEF 1208

SURV699F **Special Topics in Survey Methodology; The Evaluation and Analysis of Survey Paradata**

SURV699F Special Topics in Survey Methodology: The Evaluation and Analysis of Survey Paradata; (3 credits) Grade Method: REG/AUD.
Click here for more course information.

0101	Mick Couper, Robert Groves	Seats (Total: 20)
	Meets January 29, 2009 - May 20, 2009	
	F 2:00pm - 4:30pm	LEF 1218

SURV699M **Special Topics in Survey Methodology; Measurement Error Methods**

SURV699M Special Topics in Survey Methodology: Measurement Error Methods; (3 credits) Grade Method: REG/AUD.

0101	Stephen Miller	Seats (Total: 12)
	Meets January 12, 2009 - May 12, 2009	
	M 3:00pm - 5:40pm	LEF 1218

SURV721 **Total Survey Error II**

SURV721 Total Survey Error II; (2 credits) Grade Method: REG/AUD.
Prerequisite: SURV720. Degree seeking in JPSM or permission of instructor. Credit will be granted for only one of the following: SURV720 and SURV721; or SURV723. Formerly SURV723. Second part of a review of total survey error structure of sample survey data. Reviewing current research findings on the magnitudes of different error sources. Students will continue work on an independent research project which provides empirical investigation of one or more error source. An analysis paper presenting findings of the project will be submitted at the end of the course.

0101	Robert Groves	Seats (Total: 20)
	Meets January 7, 2009 - May 16, 2009	
	W 3:30pm - 5:40pm	LEF 2208

SURV742 **Inference from Complex Surveys**

SURV742 Inference from Complex Surveys; (3 credits) Grade Method: REG/AUD. *Prerequisite: STAT 440.* Inference from complex sample survey data covering the theoretical and empirical properties of various variance estimation strategies (e.g., Taylor series approximation, replicated methods, and bootstrap methods for complex sample designs). Incorporation of those methods into inference for complex sample survey data. Variance estimation procedures applied to descriptive estimators and to analysis of categorical data. Generalized variances and design effects presented. Methods of model-based inference for complex sample surveys examined, and results contrasted to the design-based type of inference used as the standard in the course. Real survey data illustrating the methods discussed. Students will learn the use of computer software that takes account of the sample design in estimation.

0101	Keith Rust	Seats (Total: 20)
	Meets January 8, 2009 - May 12, 2009	
	Th 2:20pm - 5:00pm	LEF 1218

SURV744 **Topics in Sampling**

SURV744 Topics in Sampling; (3 credits) Grade Method: REG/AUD. *Prerequisite: SURV 440.* Advanced course in survey sampling theory.

0101	Jill Montaquila, Michael Brick	Seats (Total: 15)
	Meets January 13, 2009 - May 12, 2009	
	Tu 3:15pm - 6:00pm	LEF 2208

SURV760 **Survey Management**

SURV760 Survey Management; (3 credits) Grade Method: REG/AUD.
Modern practices in the administration of large scale surveys. Alternative management structures for large field organizations, supervisory and training regimens, handling of turnover, and multiple surveys with the same staff. Practical issues in budgeting of surveys are reviewed with examples from actual surveys. Scheduling of sequential activities in the design, data collection, and processing of data is described. First class on 1/12/09.

0101	Carla Maffeo	Seats (Total: 20)
	Meets January 12, 2009 - April 18, 2009	
	M 3:00pm - 5:45pm	LEF 1222

SURV772 **Survey Design Seminar**

SURV772 Survey Design Seminar; (3 credits) Grade Method: REG/AUD. *Formerly: SURV770 and SURV771. For SURV majors only. Not open to students who have completed SURV770 and SURV771. Credit will be granted for only one of the following: (SURV770 and SURV771) or SURV772.* Students present solutions to design issues presented to the seminar. Readings are selected from literatures not treated in other classes and practical consulting problems are addressed.

0101	Frauke Kreuter	Seats (Total: 10)
	Meets January 20, 2009 - May 8, 2009	
	Tu 3:30pm - 6:00pm	LEF 1218

SURV829 **Doctoral Research Seminar in Survey Methodology**

SURV829 Doctoral Research Seminar in Survey Methodology; (3-6 credits) Grade Method: REG.

0101	Robert Groves, Partha Lahiri	Seats (Total: 10)
	Meets January 9, 2009 - April 18, 2009	
	F 11:30am - 2:00pm	LEF 1218

SURV898 **Pre-Candidacy Research**

SURV898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

SURV899 **Doctoral Dissertation Research**

SURV899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

THET Theatre Spring 2009

THET110 **Introduction to the Theatre**

THET110 Introduction to the Theatre; (3 credits) Grade Method: REG/P-F/AUD. CORE History or Theory of Arts (HA) Course.
Introduction to the people of the theatre: actors, directors, designers and backstage personnel. The core and characteristics of a play script; theatrical forms and styles; and theatre history.

0101	Korey Rothman MW 9:00am - 10:15am	Seats (Total: 180) SHM 2102
0201	Korey Rothman MW 12:00pm - 1:15pm	Seats (Total: 180) HJP 0226

THET112 **Fundamentals of Performance**

THET112 Fundamentals of Performance; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: For Theatre majors or permission of department. Freshman standing. Examines the history and origins of performance in various cultures, types of performance on and off stage, and the space where performance happens.

0101	Regina Pisasale MW 9:00am - 10:15am	Seats (Total: 25) PAC 3732

THET113 **Fundamentals of Theatre History**

THET113 Fundamentals of Theatre History; (3 credits) Grade Method: REG/P-F/AUD.
For Theatre majors or permission of department. Freshman standing. Explores the process of artistic and cultural creation by tracing major developments in theatre and drama from Greeks to the present.

0101	Chris Martin TuTh 12:30pm - 1:45pm	Seats (Total: 25) PAC 1815

THET114 **Fundamentals of Theatre Craft**

THET114 Fundamentals of Theatre Craft; (3 credits) Grade Method: REG/P-F/AUD.
This course may be taken simultaneously with THET272, THET373, or THET284. Prerequisite: For Theatre majors or permission of department. Freshman standing. An introduction in basic theatre technology and craftsmanship. Students will learn the process of realizing a theatrical production through classroom instruction and participation in a University production.

0101	David Kriebs	Seats (Total: 25)	
	MW 2:00pm - 2:50pm	PAC 1809	
	F 2:00pm - 5:00pm	PAC 1702	Lab

THET115 **Fundamentals of Play Analysis**

THET115 Fundamentals of Play Analysis; (3 credits) Grade Method: REG/P-F/AUD.
For Theatre majors or permission of department. Freshman standing. Explores four different, but overlapping, approaches to script analysis: storytelling, character, dramaturgy, and criticism.

0101	AnnMarie Saunders	Seats (Total: 25)
	TuTh 9:30am - 10:45am	PAC 1809

THET116 **Fundamentals of Theatrical Design**

THET116 Fundamentals of Theatrical Design; (3 credits) Grade Method: REG/P-F/AUD.
This course may be taken simultaneously with THE273, THET373, or THET284. Prerequisite: Theatre Majors or permission of department. Recommended: THET220 or THET222. Freshman standing. Examines theatre as an environmental art that is realized through collaboration between set, costume, and lighting designers.

0101	Sean Urbantke, Brian Engel, Ivania Stack	Seats (Total: 25)	
	MW 3:30pm - 5:20pm	PAC 2733	Lab

THET210 **Movement for Actors**

THET210 Movement for Actors; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: THET112, THET113, THET114, THET115, and THET116. Not open to students who have completed 60 credits or THET421. Credit will be granted for only one of the following: THET210 or THET421. Formerly THET421.* Focuses on increasing a performer's presence on stage. Will include the F.M. Alexander technique, movement improvisation, exercises for balance, strength, flexibility and stamina.

0101	Leslie Felbain	Seats (Total: 14)	
	TuTh 1:30pm - 3:15pm	PAC 3736	Lab

THET220 **Acting: Foundations**

THET220 *(PermReq)* **Acting: Foundations; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: THET112, THET113, THET114, THET115 and THET116. For THET majors only. Exercises structured to develop the actor's concentration, imagination, sense and emotional memory. Introduces tools for textual and character analysis.

0101	Walter Dallas	Seats (Total: 14)
	MW 1:00pm - 2:50pm	PAC 3730

THET250 **American Musical Theatre and Popular Culture**

THET250 American Musical Theatre and Popular Culture; (3 credits) Grade Method: REG/P-F/AUD. CORE History or Theory of Arts (HA) Course.
Credit will be granted for only one of the following: THET250 or THET350. Formerly THET350. An exploration of the complicated history of some of America's most popular entertainments from learned pig shows, to vaudeville, to musical theatre. It connects the history of America's diverse racial and ethnic communities to the evolution of forms like minstrelsy, Wild West Shows, and showboat theatre. It also traces the history of our most popular and enduring art form--the musical comedy--from the Ziegfeld Follies to Rent and beyond. Click here for more course information.

0101	Tracey Chessum	Seats (Total: 20)
	MW 12:00pm - 1:15pm	PAC 1809

THET288 **Fundamentals Project**

THET288 Fundamentals Project; (1 credit) Grade Method: REG.

0101	Robert Thompson F 12:00pm - 2:00pm	Seats (Total: 25) PAC 3736	

THET291 **American Theatre 1890-Present**

THET291 American Theatre 1890-Present; (3 credits) Grade Method: REG/P-F/AUD. CORE History or Theory of Arts (HA) Course.
Formerly THET310. Traces the evolution of the American theatre during the twentieth century, aligning this theatre with the major shifts and movements of American society itself, and arriving at the uniquely American theatre and culture of today.

0101	Heather Nathans MW 11:00am - 11:50am W 12:00pm - 12:50pm	Seats (Total: 25) TYD 1102 PAC 1815	 Discussion
0102	Heather Nathans MW 11:00am - 11:50am W 1:00pm - 1:50pm	Seats (Total: 25) TYD 1102 PAC 1815	 Discussion
0103	Heather Nathans MW 11:00am - 11:50am F 11:00am - 11:50am	Seats (Total: 25) TYD 1102 HBK 0108	 Discussion

THET299L **Independent Study; Analyzing Performances**
Contact department for information to register for this course.

THET310 **Voice for the Actor I**

THET310 *(PermReq)* **Voice for the Actor I; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: THET210, THET220, an audition, and permission of department. Sophomore standing. Not open to students who have completed THET221. Credit will be granted for only one of the following: THET221 or THET310. Freeing the natural voice. In-depth experience of connection of actor's voice to thought, impulse and emotion. Tools for releasing tension, increasing resonance and range, and refining articulation will be explored.

0101	Leigh Smiley	Seats (Total: 12)	
	MW 10:00am - 11:50am	PAC 3736	Lab

THET325 **Actor's Process I**

THET325 *(PermReq)* **Actor's Process I; (3 credits)** Grade Method: REG/P-F/AUD. *Prerequisite: THET210, THET220, an audition, and permission of department. Not open to students who have completed THET320.* Focus on use of self in creating character. Tools employed include decision-making and use of imagery, personalization, objectives, adjectives, and verbs.

0101	Mitchell Hebert	Seats (Total: 12)	
	TuTh 10:30am - 12:15pm	PAC 3730	Lab

THET377 **Lighting Design I**

THET377 Lighting Design I; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: THET112, THET113, THET114, THET115, THET116, THET273, and THET288; or permission of department. Credit will be granted for only one of the following: THET377 or THET476. Formerly THET476.* A study of the theories of electrification, instruments, design, color, and control for the stage. Practical work on productions.

0101	Harold Burgess	Seats (Total: 14)	
	TuTh 2:00pm - 3:15pm	PAC 2733	
	TBA	PAC 3731	Lab

THET380 **Sound Design**

THET380 Sound Design; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: THET114, THET115, and THET116 or permission of instructor. Sophomore standing.* Theatre Sound Design is a first course in designing sound for stage productions.

0101	David Kriebs	Seats (Total: 12)	
	TuTh 9:30am - 10:45am	PAC 1815	
	F 2:00pm - 4:00pm	PAC 2740	Lab

THET383 **Costume Design I**

THET383 Costume Design I; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisites: THET112, THET113, THET114, THET115, THET116, and THET373; or permission of department. Credit will be granted for only one of the following: THET383 or THET480. Formerly THET480. Basic principles of theatre costume design and introduction to rendering skills. Emphasis on development of design conception, unity, character statement, basic clothing design and period style adaptation.

0101	Mikhail Kachman	Seats (Total: 12)	
	MW 1:00pm - 2:50pm	PAC 2755	Lab

THET384 **Stage Costume Construction II**

THET384 Stage Costume Construction II; (3 credits) Grade Method: REG/P-F/AUD.
Prerequisite: THET284 or permission of department. Credit will be granted for only one of the following: THET384 or THET487. Formerly THET487. Study and practical experience in the construction of stage costumes, props and accessories. Pattern development by draping, millinery, and crafts.

0101	Susan Chiang	Seats (Total: 5)	
	MW 9:00am - 11:50am	PAC 3749	Lab

THET386 **Experiential Learning**

THET386 *(PermReq)* **Experiential Learning; (3-6 credits)** Grade Method: REG/P-F.
Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: permission of department. Junior standing.

Contact department for information to register for this course.

THET399 **Independent Study**

THET399 Independent Study; (1-3 credits) Grade Method: REG/P-F/AUD.

0201	Franklin Hildy	Seats (Total: 10)
	Contact instructor or department for details.	
0301	Leigh Smiley	Seats (Total: 10)
	Contact instructor or department for details.	

0401	Scot Reese Contact instructor or department for details.	Seats (Total: 10)
0501	Instructor: TBA Contact instructor or department for details.	Seats (Total: 10)
0601	David Kriebs Contact instructor or department for details.	Seats (Total: 10)
0701	Walter Dallas Contact instructor or department for details.	Seats (Total: 10)
0801	Susan Chiang Contact instructor or department for details.	Seats (Total: 10)
0901	Mitchell Hebert Contact instructor or department for details.	Seats (Total: 10)
1101	Catherine Schuler Contact instructor or department for details.	Seats (Total: 10)
1301	Harold Burgess Contact instructor or department for details.	Seats (Total: 10)
1401	Instructor: TBA Contact instructor or department for details.	Seats (Total: 10)
1501	Daniel Wagner Contact instructor or department for details.	Seats (Total: 10)
1601	Daniel Conway Contact instructor or department for details.	Seats (Total: 10)
1701	Helen Huang Contact instructor or department for details.	Seats (Total: 10)
1801	Heather Nathans Contact instructor or department for details.	Seats (Total: 10)
2001	Faedra Carpenter Contact instructor or department for details.	Seats (Total: 10)
2005	Leslie Felbain Contact instructor or department for details.	Seats (Total: 10)

2007	Laurie Frederik Meer Contact instructor or department for details.	Seats (Total: 10)
2009	Cary Gillett Contact instructor or department for details.	Seats (Total: 10)
3201	Mikhail Kachman Contact instructor or department for details.	Seats (Total: 10)

THET399F **Independent Study; Modern British Theater After 1968**
Contact department for information to register for this course.

THET399H **Independent Study; The London Stage**
Contact department for information to register for this course.

THET399I **Independent Study; Playwriting**

THET399I *(PermReq)* **Independent Study: Playwriting; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: permission of department. Click here for more course information.

0101	Walter Dallas MW 10:00am - 11:15am	Seats (Total: 12) PAC 1809

THET399L **Independent Study; Contemporary British Drama**
Contact department for information to register for this course.

THET399X **Independent Study; The London Stage**
Contact department for information to register for this course.

THET408N **Seminar: Theory and Performance Studies; Performing the Nation**

THET408N *(PermReq)* **Seminar: Theory and Performance Studies: Performing the Nation; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: permission of department. Click here for more course information.

0101	Laurie Frederik Meer TuTh 2:00pm - 3:15pm	Seats (Total: 18) PAC 1809

THET429 **Actor's Studio**

THET429 *(PermReq)* **Actor's Studio; (1-3 credits)** Grade Method: S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

THET430 **Directing II: Working with Actors**

THET430 *(PermReq)* **Directing II: Working with Actors; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: THET330 or THET324 or THET325 or permission of instructor. Discussion of the preparation procedures and rehearsal practices necessary for the presentation of a variety of theatrical styles and forms. Emphasis on understanding the relationship between the director, the actor, the script and the audience. A series of student directed scenes supplemented by attendance at theatre productions.

0101	Mitchell Hebert	Seats (Total: 10)	
	F 10:00am - 12:50pm	PAC 2740	Lab

THET451 **Musical Theatre Workshop I**

THET451 *(PermReq)* **Musical Theatre Workshop I; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisites: audition and permission of department. Development of the ability to move, act and express through the media of lyric and music.

0101	Scot Reese	Seats (Total: 14)	
	M 3:00pm - 6:00pm	PAC 2740	

THET472 **Scene Painting**

THET472 *(PermReq)* **Scene Painting; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisites: THET114 or permission of department. Credit will be granted for only one of the following: THET472 or THET473. Formerly THET473. Scene painting techniques and materials. Three-dimensional realistic scenery and non-realistic two-dimensional projects.

0101	Ann Chismar	Seats (Total: 10)	
	F 9:00am - 12:50pm	PAC 1702	Lab

THET479 **Production Practicum**

THET479 Production Practicum; (1-3 credits) Grade Method: REG/P-F/AUD.

0201	David Kriebs Contact instructor or department for details.	Seats (Total: 15)
0601	David Kriebs Contact instructor or department for details.	Seats (Total: 25)
1301	Harold Burgess Contact instructor or department for details.	Seats (Total: 10)
1501	Daniel Wagner Contact instructor or department for details.	Seats (Total: 15)
1601	Daniel Conway Contact instructor or department for details.	Seats (Total: 10)
1701	Helen Huang Contact instructor or department for details.	Seats (Total: 10)
3201	Mikhail Kachman Contact instructor or department for details.	Seats (Total: 15)

THET489G **Special Topics in Theatre History from 1800 to Present; European Avant-Garde Theatre**

THET489G *(PermReq)* **Special Topics in Theatre History from 1800 to Present: European Avant-Garde Theatre; (3 credits)** Grade Method: REG/P-F/AUD. Prerequisite: permission of department.

0101	Catherine Schuler TuTh 11:00am - 12:15pm	Seats (Total: 30) PAC 1815

THET489P **Special Topics in Theatre History from 1800 to Present; Shakespeare in Modern Performance**

THET489P *(PermReq)* **Special Topics in Theatre History from 1800 to Present: Shakespeare in Modern Performance; (3 credits)** Grade Method: REG/P-F/AUD. Prerequisite: permission of department.

0101	Franklin Hildy TuTh 11:00am - 12:15pm	Seats (Total: 30) PAC 1809

THET497 **Non-Traditional Theatre**
Contact department for information to register for this course.

THET499 **Independent Study**

THET499 Independent Study; (1-3 credits) Grade Method: REG/P-F/AUD.

0201	Franklin Hildy Contact instructor or department for details.	Seats (Total: 10)
0301	Leigh Smiley Contact instructor or department for details.	Seats (Total: 10)
0401	Scot Reese Contact instructor or department for details.	Seats (Total: 10)
0501	Instructor: TBA Contact instructor or department for details.	Seats (Total: 10)
0601	David Kriebs Contact instructor or department for details.	Seats (Total: 10)
0701	Walter Dallas Contact instructor or department for details.	Seats (Total: 10)
0801	Kuang-Yu Fong Contact instructor or department for details.	Seats (Total: 10)
0901	Mitchell Hebert Contact instructor or department for details.	Seats (Total: 10)
1101	Catherine Schuler Contact instructor or department for details.	Seats (Total: 10)
1301	Harold Burgess Contact instructor or department for details.	Seats (Total: 10)
1401	Instructor: TBA Contact instructor or department for details.	Seats (Total: 10)
1501	Daniel Wagner Contact instructor or department for details.	Seats (Total: 10)

1601	Daniel Conway Contact instructor or department for details.	Seats (Total: 10)
1701	Helen Huang Contact instructor or department for details.	Seats (Total: 10)
1801	Heather Nathans Contact instructor or department for details.	Seats (Total: 10)
2001	Faedra Carpenter Contact instructor or department for details.	Seats (Total: 10)
2005	Leslie Felbain Contact instructor or department for details.	Seats (Total: 10)
2007	Laurie Frederik Meer Contact instructor or department for details.	Seats (Total: 10)
2009	Instructor: TBA Contact instructor or department for details.	Seats (Total: 10)
3201	Mikhail Kachman Contact instructor or department for details.	Seats (Total: 10)

THET499B **Independent Study; Introduction to the Digital Humanities**

THET499B *(PermReq)* **Independent Study: Introduction to the Digital Humanities; (1-3 credits)** Grade Method: REG/P-F/AUD.

0101	Douglas Reside W 2:00pm - 5:00pm	Seats (Total: 15) PAC 2727

THET499D **Independent Study; FEVER/DREAM**

THET499D *(PermReq)* **Independent Study: FEVER/DREAM; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: By audition and permission of department. This course will meet on February 11, February 18, February 25, and March 11.

0101	Howard Shalwitz **Meets February 11, 2009 - March 11, 2009** W 2:00pm - 5:00pm Contact instructor or department for details.	Seats (Total: 11) PAC 3732

THET499E **Independent Study; 20th Century Theatre Practice**
Contact department for information to register for this course.

THET499G **Independent Study; Realism and Theater Naturalism**
Contact department for information to register for this course.

THET499M **Independent Study; Women in the Media and Theatre**
Contact department for information to register for this course.

THET499Q **Independent Study; Theatrical Forms and Genres**
Contact department for information to register for this course.

THET499X **Independent Study; Advanced Computer Graphics**

THET499X *(PermReq)* **Independent Study: Advanced Computer Graphics; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: permission of department.

0101	Daniel Conway TuTh 9:30am - 10:45am	Seats (Total: 8) PAC 2727

THET499Y **Independent Study; The London Stage**
Contact department for information to register for this course.

THET499Z **Independent Study; The London Stage**
Contact department for information to register for this course.

THET603 **Introduction to Theatre Design**

THET603 Introduction to Theatre Design; (3 credits) Grade Method: REG/AUD. *Credit will be granted for only one of the following: THET600 or THET603.* Enhances the visual, conceptual, and analytical research methods applicable to design concepts and theories.

0101	Harold Burgess Th 10:00am - 12:30pm	Seats (Total: 10) PAC 2804

THET608D **Seminar: Theory and Performance Studies; Dramaturgy**

THET608D Seminar: Theory and Performance Studies: Dramaturgy; (3 credits) Grade Method: REG.

0101	Faedra Carpenter Tu 2:30pm - 5:00pm	Seats (Total: 10) PAC 1807

THET608M **Seminar: Theory and Performance Studies; Multicultural Drama**

THET608M Seminar: Theory and Performance Studies: Multicultural Drama; (3 credits) Grade Method: REG.

0101	Faedra Carpenter M 2:30pm - 5:00pm	Seats (Total: 10) PAC 1807

THET608N **Seminar: Theory and Performance Studies; Performing the Nation**

THET608N Seminar: Theory and Performance Studies: Performing the Nation; (3 credits) Grade Method: REG.

0101	Laurie Frederik Meer TuTh 2:00pm - 3:15pm	Seats (Total: 2) PAC 1815

THET649A **Advanced Design Studio in Costume; Costume Rendering**

THET649A Advanced Design Studio in Costume: Costume Rendering; (3 credits) Grade Method: REG/AUD.

0101	Helen Huang MW 1:00pm - 2:50pm	Seats (Total: 10) PAC 2733

THET659 **Advanced Design Studio in Lighting**

THET659 Advanced Design Studio in Lighting; (3 credits) Grade Method: REG/AUD.

0101	Daniel Wagner	Seats (Total: 10)	
	F 9:00am - 12:00pm	PAC 2733	
	F 9:00am - 12:00pm	PAC 2731	Lab

THET669 **Independent Study**

THET669 *(PermReq)* **Independent Study; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

THET669D **Independent Study; Introduction to the Digital Humanities**

THET669D Independent Study: Introduction to the Digital Humanities; (3 credits) Grade Method: REG/AUD.
Click here for more course information.

0101	Douglas Reside	Seats (Total: 15)
	W 2:00pm - 5:00pm	PAC 2727

THET669R **Independent Study; Rendering for Set Design**

THET669R Independent Study: Rendering for Set Design; (3 credits) Grade Method: REG/AUD.

0101	Mikhail Kachman	Seats (Total: 10)
	TuTh 3:30pm - 5:00pm	PAC 2733

THET678 **Theory of Visual Design For the Performing Arts**

THET678 Theory of Visual Design For the Performing Arts; (3 credits) Grade Method: REG/AUD.

1601	Daniel Conway MW 10:00am - 11:50am	Seats (Total: 12) PAC 2733
1701	Helen Huang MW 10:00am - 11:50am	Seats (Total: 12) PAC 2755

THET698C **Seminar: Theatre History; Chinese Theatre and Culture**

THET698C Seminar: Theatre History: Chinese Theatre and Culture; (3 credits) Grade Method: REG/AUD.

0101	Kuang-Yu Fong Th 4:00pm - 6:30pm	Seats (Total: 10) PAC 1807

THET698R **Seminar: Theatre History; Russian and Soviet Theatre and Scenography: Context and History**

THET698R Seminar: Theatre History: Russian and Soviet Theatre and Scenography: Context and History; (3 credits) Grade Method: REG/AUD.

0101	Catherine Schuler, Mikhail Kachman Tu 5:00pm - 7:30pm	Seats (Total: 10) PAC 1807

THET713 **Introduction to Performance Studies**

THET713 Introduction to Performance Studies; (3 credits) Grade Method: REG/AUD.
Prerequisite: THET 700. Introduces doctoral students to theoretical and methodological issues in performance studies. We will focus on 3 primary areas of research, analyzing representational strategies of adaptations, ethnography, and cultural analysis of theatrical performance.

0101	Laurie Frederik Meer W 4:00pm - 6:30pm	Seats (Total: 10) PAC 1807

THET788 **Master's Tutorial**

THET788 *(PermReq)* **Master's Tutorial; (1-6 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

THET789 **Master's Practicum**

THET789 *(PermReq)* **Master's Practicum; (1-6 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

THET799 **Master's Thesis Research**

THET799 *(PermReq)* **Master's Thesis Research; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

THET888 **Doctoral Practicum in Theatre**

THET888 *(PermReq)* **Doctoral Practicum in Theatre; (3-9 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

THET889 **Doctoral Tutorial in Theatre**

THET889 *(PermReq)* **Doctoral Tutorial in Theatre; (3-8 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

THET898 **Pre-Candidacy Research**

THET898 *(PermReq)* **Pre-Candidacy Research; (1-8 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

THET899 **Doctoral Dissertation Research**

THET899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

UMEI Maryland English Institute Spring 2009

UMEI001 **English as a Foreign Language: Beginning**

International students on F1 visas must maintain a full-time status. Full-time status for undergraduate students will be based on registration for 12 or more semester hours, for graduate students, it is a combination of courses equivalent to 48 units per semester. Registration in UMEI001-004 is equivalent to full-time study. Those enrolled in these courses are not permitted to enroll in any other course work. For further information on what constitutes full-time status, please see: http://www.testudo.umd.edu/soc/fulltime.html.

UMEI courses do not carry credit toward any degree at the University and do not count in the retention plan. Additional fees are required for these courses. For more information, see the financial section in the Registration Guide.

UMEI001 English as a Foreign Language: Beginning; (12 credits) Grade Method: S-F.

Intensive course for the non-native speaker of English who has little or no previous knowledge of English. Focus on the rapid acquisition of the basic features of English grammar and pronunciation and on speaking and understanding American English; reading and writing appropriate to the level will be included. Special fee required for this course. This course does not carry credit towards any degree at the University and does not count in the retention plan.

0101	Nina Liakos	Seats (Total: 10)
	MTuWThF 9:00am - 11:50am	HZF 2109
	MWF 1:00pm - 2:50pm	EGL 1204
	TuTh 1:00pm - 2:50pm	JMZ 1224

UMEI002 **English as a Foreign Language: Intermediate I**

UMEI002 *(PermReq)* **English as a Foreign Language: Intermediate I; (12 credits)**
Grade Method: S-F.
Intensive course for the non-native speaker of English who has had some previous instruction in English. Emphasis on improving listening and speaking skills, on mastering intermediate grammatical structures, and on expanding vocabulary. Includes practice in reading and writing appropriate to the level. Special fee required for this course. This course does not carry credit towards any degree at the University and does not count in the retention plan.

0101	Kimberly Brown, Daniela Wagner-Loera	Seats (Total: 15)
	MTuWTh 9:00am - 10:50am	ARM 0101
	MTuWTh 11:00am - 11:50am	ARM 0101
	MTuWTh 1:00pm - 2:50pm	ARM 0121
	F 9:00am - 11:50am	EGR 1110
	F 1:00pm - 2:50pm	EDU 1210B

UMEI004 **English as a Foreign Language: Intermediate III**

UMEI004 *(PermReq)* **English as a Foreign Language: Intermediate III; (12 credits)**
Grade Method: S-F.
Intensive course for the non-native speaker of English who has a good command of the basic features of spoken and written English. Emphasis on refining speaking and listening skills, on improving reading speed and comprehension of academic texts, and on developing writing skills for academic courses. Special fee required for this course. This course does not carry credit towards any degree at the University and does not count in the retention plan.

0101	Charles Duquette, Rachel Misbin	Seats (Total: 18)
	MTuWThF 9:00am - 11:50am	CHE 2116
	MTuWTh 1:00pm - 2:50pm	PHY 1219
	F 1:00pm - 2:50pm	CHE 2116
0301	Steven Sharp, Eric Walker	Seats (Total: 25)
	MTuWThF 9:00am - 11:50am	MTH B0431
	MTuWTh 1:00pm - 2:50pm	COL 3111
	F 1:00pm - 2:50pm	COL 3111

UMEI005 **Advanced English as a Foreign Language**

UMEI005 Advanced English as a Foreign Language; (6 credits) Grade Method: S-F.

Semi-intensive course for the nearly proficient non-native speaker of English needing additional language instruction prior to undertaking full-time academic study. Speaking and listening skills; improvement of reading speed and comprehension; and development of writing skills. Special fee required for this course. This course does not carry credit towards any degree at the University and does not count in the retention plan.

0101	Karen Taylor MTuWTh 10:00am - 11:50am F 10:00am - 11:50am	Seats (Total: 15) HBK 0103 EGL 1204

UMEI006 **English Pronunciation**

UMEI006 English Pronunciation; (2 credits) Grade Method: S-F.

Individualized class for the non-native speaker of English. Diagnosis of individual pronunciation problems. Practice in the correct pronunciation of English sounds and improvement of ability to speak English with proper stress and intonation patterns. Special fee required for this course. This course does not carry credit towards any degree at the University and does not count in the retention plan.

0201	Charles Duquette TuTh 1:00pm - 2:30pm *Registration by permission only.*	Seats (Total: 20) EGR 1102

UMEI007 **Advanced Writing for International Students**

UMEI007 Advanced Writing for International Students; (3 credits) Grade Method: S-F.

Open to graduate students only. Special fee. A writing skills course for the non-native speaker of English with a good command of spoken English. This course does not carry credit towards any degree at the University and does not count in the retention plan.

0301	Nathanael Rudolph WF 1:00pm - 2:50pm	Seats (Total: 30) JMP 1109

0401	Susan Gould	Seats (Total: 25)
	WF 1:00pm - 2:50pm	CSS 2416

UNIV University Courses Spring 2009

UNIV099 **Internship Seminar**

UNIV099 *(PermReq)* **Internship Seminar; (No credit)** Grade Method: S-F. Permission required. Obtain signature and more information at the Career Center, 3100 Hornbake Library.

0101	Katelyn Glasser	Seats (Total: 50)
	Contact instructor or department for details.	
SA13	Mark Kenyon	Seats (Total: 0)
	Contact instructor or department for details.	

UNIV100 **The Student in the University**

UNIV100 The Student in the University; (1 credit) Grade Method: REG/P-F/AUD. *Not open to students who have completed EDCP108O. Credit will be granted for only one of the following: EDCP108O or UNIV100. Formerly EDCP108O.* Introduces students to University life. In a small classroom setting, students will explore how to successfully bridge the gap between high school and college. Study skills, career decision-making, and student development processes will be explored.

0801	Neruh Ramirez	Seats (Total: 20)
	Meets February 2, 2009 - April 13, 2009	
	M 11:00am - 12:50pm	PLS 1117
	Restricted to First Semester Letters and Sciences Students.	
0802	Nichole Howe	Seats (Total: 20)
	Meets February 2, 2009 - April 14, 2009	
	Tu 11:00am - 12:50pm	COL 0100
	Restricted to First Semester Letters and Sciences Students.	
0803	Julie Sass	Seats (Total: 20)
	Meets February 2, 2009 - April 16, 2009	
	Th 9:30am - 11:20am	ANS 0402
	Restricted to First Semester Letters and Sciences Students.	

0901	Richard Medellin Tu 9:00am - 10:50am *Restricted to LFSC students.*	Seats (Total: 20) JMZ 1103
0902	Tasara Redekopp M 11:00am - 12:50pm *Restricted to LFSC students.*	Seats (Total: 20) SYM 0215
0903	Lani Yap W 10:00am - 11:50am	Seats (Total: 20) PLS 1158

UNIV101 **The Student in the University and Introduction to Computer Resources**

UNIV101 The Student in the University and Introduction to Computer Resources; (2 credits) Grade Method: REG/P-F/AUD.
Introduces students to University life and current computer resources. In a small classroom setting, students will explore the world of higher education and current technological advances available to them. Additionally students will explore current resources both internal and external to the University, and how to utilize the World Wide Web as a research tool.

0101	Robert Crane W 3:00pm - 4:50pm *Restricted to Arts and Humanities students.*	Seats (Total: 15) KEY 0123
0102	Megan Cleaver, Molly Morin Th 3:00pm - 4:50pm *Restricted to Arts and Humanities students.*	Seats (Total: 15) KEY 0107
0201	Jesse Kirkpatrick, TC Lloyd Th 2:00pm - 3:50pm *For BSOS majors only.*	Seats (Total: 15) KEY 0123
0202	Jay Garvey, Melissa Kamin W 10:00am - 11:50am *For BSOS majors only.*	Seats (Total: 15) ASY 3217

UNIV108 **Markets and Society Colloquium**

UNIV108 Markets and Society Colloquium; (1 credit) Grade Method: REG. Restricted to students in the Markets and Society Program.

0162	Jennifer Malloy M 3:00pm - 3:50pm W 3:00pm - 3:50pm	Seats (Total: 0) HJP 0226 PLS 1184	Discussion
0164	Jennifer Malloy M 3:00pm - 3:50pm Th 2:00pm - 2:50pm	Seats (Total: 0) HJP 0226 PLS 1111	Discussion
0165	Jennifer Malloy M 3:00pm - 3:50pm W 3:00pm - 3:50pm	Seats (Total: 13) HJP 0226 BPS 1234	Discussion
0265	Jennifer Malloy M 3:00pm - 3:50pm W 3:00pm - 3:50pm	Seats (Total: 0) HJP 0226 PLS 1117	Discussion
0266	Jennifer Malloy M 3:00pm - 3:50pm Th 9:30am - 10:20am	Seats (Total: 0) HJP 0226 JMZ 1117	Discussion
0268	Jennifer Malloy M 3:00pm - 3:50pm W 3:00pm - 3:50pm	Seats (Total: 0) HJP 0226 PLS 1180	Discussion
0269	Jennifer Malloy M 3:00pm - 3:50pm W 3:00pm - 3:50pm	Seats (Total: 18) HJP 0226 JMZ 1215	Discussion

UNIV189B **Global Communities Colloquium II; Understanding Culture and Cultural Differences II**

UNIV189B *(PermReq)* **Global Communities Colloquium II: Understanding Culture and Cultural Differences II; (1 credit)** Grade Method: REG.

0101	Kevin McClure TuTh 3:30pm - 4:45pm	Seats (Total: 85) DOR 0128	

UNIV288I **Global Communities Colloquium III; Internship**

UNIV288I *(PermReq)* **Global Communities Colloquium III: Internship; (1 credit)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

UNIV288R **Global Communities Colloquium III; Research Practicum**

UNIV288R *(PermReq)* **Global Communities Colloquium III: Research Practicum; (1 credit)** Grade Method: REG.

0101	Kevin McClure	Seats (Total: 10)
	TBA	DOR 0128

UNIV289A **Global Communities Colloquium IV**

UNIV289A *(PermReq)* **Global Communities Colloquium IV; (1 credit)** Grade Method: REG.

0101	Ranetta Hardin	Seats (Total: 45)
	Th 5:30pm - 6:45pm	DOR 0128

UNIV325 **Beyond the Classroom Seminar I**

UNIV325 Beyond the Classroom Seminar I; (2 credits) Grade Method: REG/P-F/AUD.
Prerequisite: For students in the Beyond the Classroom (BTC) living and learning program. Development of effective written and oral communication skills for a variety of constituents. Development of civic engagement principles. Students prepare professional portfolios in preparation for a semester-long internship.

0101	James Riker	Seats (Total: 40)
	Tu 3:30pm - 5:30pm	SCC 1102

UNIV326 **Beyond the Classroom Seminar II**

UNIV326 Beyond the Classroom Seminar II; (1 credit) Grade Method: REG/P-F/AUD.
Prerequisite: UNIV325; for students in the Beyond the Classroom (BTC) living and learning program. Seminar for students in internships and service-learning experiences as context for applying communication skills and knowledge of civic engagement leadership skills first introduced in UNIV325. Must be taken concurrently with experiential learning practicum.

0101	James Riker W 5:00pm - 6:00pm	Seats (Total: 25) SCC 1102
0201	Megan Riley M 5:00pm - 6:00pm	Seats (Total: 25) SCC 1102

UNIV349 **Federal Semester Experiential Learning**

UNIV349 *(PermReq)* **Federal Semester Experiential Learning; (3 credits)** Grade Method: S-F.

0101	Joan Burton Contact instructor or department for details.	Seats (Total: 35)

UNIV378 **Beyond the Classroom Experiential Learning; Internship Experiences/Experiential Learning**

UNIV378 Beyond the Classroom Experiential Learning: Internship Experiences/Experiential Learning; (1-3 credits) Grade Method: REG/P-F/AUD. Prerequisite: For students in the Beyond the Classroom (BTC) living and learning program.

0101	James Riker Contact instructor or department for details.	Seats (Total: 40)

UNIV389A **Special Topics in Undergraduate Studies; Army ROTC Independent Study Projects**

UNIV389A Special Topics in Undergraduate Studies: Army ROTC Independent Study Projects; (3 credits) Grade Method: REG/P-F/AUD.

0101	Ranelle Manaois Contact instructor or department for details.	Seats (Total: 20)

UNIV389K **Special Topics in Undergraduate Studies; Independent Study**
Contact department for information to register for this course.

UNIV399P **Experiential Learning in Undergraduate Studies; People Power -- Activism for Social Change**

UNIV399P Experiential Learning in Undergraduate Studies: People Power -- Activism for Social Change; (1 credit) Grade Method: REG/P-F/AUD.

0101	James Riker	Seats (Total: 40)
	M 7:00pm - 9:00pm	SCC 1102

UNIV798A **Special Topics Colloquium on University Teaching and Learning; Introduction to University Teaching**

UNIV798A Special Topics Colloquium on University Teaching and Learning: Introduction to University Teaching; (2 credits) Grade Method: REG/AUD.

0101	David Eubanks, Ann Smith	Seats (Total: 15)
	Tu 5:00pm - 7:00pm	Location: TBA

URSP Urban Studies and Planning Spring 2009

URSP372 **Diversity and the City**

URSP372 Diversity and the City; (3 credits) Grade Method: REG/P-F/AUD. CORE Diversity (D) Course.
Exploration of the different needs of diverse economic, racial/ethnic, and gender groups that live and work in cities, the historical background of differences, the impact of societal structures and group cultures, and how public and private policies do and can affect different groups.

0101	Howell Baum	Seats (Total: 20)
	MW 3:00pm - 4:15pm	JMZ 1117

URSP399I **Independent Study**

URSP399I *(PermReq)* **Independent Study; (3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Individual Instruction Course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

URSP600 **Research Design and Application**

URSP600 Research Design and Application; (3 credits) Grade Method: REG. *Formerly URSP602.* Techniques in urban research, policy analysis, and planning. Survey of descriptive and normative models. Objective and subjective measurements. Emphasis on assumptions of research.

0101	Joseph Costanzo Th 7:00pm - 9:30pm	Seats (Total: 25) ARC 1101

URSP601 **Research Methods**

URSP601 Research Methods; (3 credits) Grade Method: REG/AUD. *Prerequisite: approved statistics course or permission of instructor. Recommended: URSP 600. Formerly URBS601.* Use of measurement, statistics, quantitative analysis, and micro-computers in urban studies and planning.

0101	Nikhil Kaza Tu 7:00pm - 9:30pm	Seats (Total: 15) ARC 1123

URSP603 **Land Use Planning: Concepts and Techniques**

URSP603 Land Use Planning: Concepts and Techniques; (3 credits) Grade Method: REG/AUD.
Credit will be granted for only one of the following: URSP603, URBS680 or URBS603. Formerly URBS603. Basic techniques for regulating the use and appearance of land. Legal framework, social implications, planning approaches, communicating land use information. URSP 603 is for URSP students only.

0101	Celia Craze Tu 4:00pm - 6:30pm	Seats (Total: 20) ARC 1101

URSP605 **Planning History and Theory**

URSP605 Planning History and Theory; (3 credits) Grade Method: REG/AUD. Exploration of the major events and issues in United States planning history, the prevailing theories of planning, and the planning history-theory relationship. Emphasis on urban planning.

0101	Sidney Brower W 4:00pm - 6:30pm	Seats (Total: 15) ASY 3219

URSP640 **Growth Management and Environmental Planning**

URSP640 Growth Management and Environmental Planning; (3 credits) Grade Method: REG/AUD.
Topics associated with growth management, defined as policies and strategies by which governments attempted to control the amount, location, pace, pattern and quality of development within their jurisdictions.

0101	James Cohen M 7:00pm - 9:30pm	Seats (Total: 20) ARC 1105

URSP660 **Function and Structure of Metropolitan Areas**

URSP660 Function and Structure of Metropolitan Areas; (3 credits) Grade Method: REG/AUD.
Formerly URBS660. Theoretical and historical examination of basic urban functions. Intra-metropolitan location of activities. Role of metropolitan planning in a market economy. Examination of cases of metropolitan planning to assess alternative strategies for future metropolitan development.

0101	Qing Shen W 4:00pm - 6:30pm	Seats (Total: 20) ARC 1119

URSP662 **Urban and Regional Planning in Developing Countries**

URSP662 Urban and Regional Planning in Developing Countries; (3 credits) Grade Method: REG/AUD.
Theoretical exploration of urban and regional change drawing upon international planning and social science literature, and case-study analysis of multiple challenges and opportunities facing planners and policy-makers in the urban-centered areas of less-developed countries.

0101	William Hanna M 7:00pm - 9:30pm	Seats (Total: 15) ARC 1121

URSP664 **Real Estate Development for Planners**

URSP664 *(PermReq)* **Real Estate Development for Planners; (3 credits)** Grade Method: REG/AUD.
Prerequisite: URSP 606. Credit will be granted for only one of the following: URSP 664 or URSP 688F. Formerly URSP688F. Planning, Architectural and Public Policy students are introduced to the real estate development process primarily from the point of view of the private entrepreneurial developer. It will include the steps in undertaking a real estate development from the initial concept to the property management and final disposition, the basic financial and tax concepts underlying real estate development, a review of national housing policy,including public-private partnerships, and solving specific real estate development problems using financial spread-sheets. Also offered as PUAF698G.

0101	David Falk, Andrew Frank	Seats (Total: 26)
	M 4:00pm - 6:30pm	ASY 3219

URSP688D **Recent Developments in Urban Studies; China Development: Issues, Challenges, and Policy Responses**

URSP688D *(PermReq)* **Recent Developments in Urban Studies: China Development: Issues, Challenges, and Policy Responses; (2-6 credits)** Grade Method: REG/AUD.

0101	Chengri Ding	Seats (Total: 20)
	Th 4:00pm - 6:30pm	ARC 1127

URSP688F **Recent Developments in Urban Studies; Urban Transportation Planning**

URSP688F Recent Developments in Urban Studies: Urban Transportation Planning; (3 credits) Grade Method: REG/AUD.
Also offered as ENCE673.

0101	Kelly Clifton	Seats (Total: 25)
	M 4:00pm - 6:30pm	ARC 0111

URSP688M **Recent Developments in Urban Studies; Housing Policy**

URSP688M Recent Developments in Urban Studies: Housing Policy; (3 credits) Grade Method: REG/AUD.

0101	Alexander Chen Tu 4:00pm - 6:30pm	Seats (Total: 15) ARC 1123

URSP688V **Recent Developments in Urban Studies; Economic Development**

URSP688V Recent Developments in Urban Studies: Economic Development; (3 credits) Grade Method: REG/AUD.

0101	Marie Howland W 1:00pm - 3:40pm	Seats (Total: 10) Location: TBA

URSP688X **Recent Developments in Urban Studies; New Issues in Community**

URSP688X Recent Developments in Urban Studies: New Issues in Community; (3 credits) Grade Method: REG/AUD.

0101	Howell Baum W 7:00pm - 9:30pm	Seats (Total: 15) ARC 1123

URSP708 **Community Planning Studio**

URSP708 Community Planning Studio; (2-6 credits) Grade Method: REG/AUD. Prerequisite: URSP 600, URSP 601, URSP 604, URSP 605 and permission of the department. Formerly: URSP 704. Credit will be granted for only one of the following: URSP 704 or URSP 708.

0101	Sidney Brower TuTh 9:00am - 3:30pm	Seats (Total: 10) ARC 1119

URSP709 **Field Instruction**

URSP709 Field Instruction; (3 credits) Grade Method: REG/AUD.
Prerequistes: URSP 600, URSP 604, URSP 605 or permission of the department. Formerly: URSP 703. Credit will only be granted for one of the following: URSP 703 or URSP 709.

0101	James Cohen Contact instructor or department for details.	Seats (Total: 10)

URSP710 **Research Seminar: Urban Theory and Issues**

URSP710 *(PermReq)* **Research Seminar: Urban Theory and Issues; (3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: 15 graduate credit hours in URSP. For URSP majors only. Formerly URBS710. An advanced research seminar for M.A. and M.C.P. students preparing their final research projects.

Contact department for information to register for this course.

URSP788 **Independent Study in Urban Studies and Planning**

URSP788 *(PermReq)* **Independent Study in Urban Studies and Planning; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

URSP798 **Readings in Urban Studies and Planning**

URSP798 *(PermReq)* **Readings in Urban Studies and Planning; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

URSP799 **Master's Thesis Research**

URSP799 Master's Thesis Research; (1-6 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

URSP805 **Seminar in Research Design**

URSP805 Seminar in Research Design; (3 credits) Grade Method: REG.
Prerequisite: URSP 804 and URSP 810. Addresses fundamental aspects of research desing for Ph.D students in urban planning and policy-related fields. Topics include principles of research design, formulating a feasible hypothesis and identifying appropriate methodology for testing hypotheses eg. qualitative methods, quantitative methods, survey research. Writing of proposals and dissertation. Publication, presentation, and funding.

0101	Gerrit Knaap W 1:00pm - 3:30pm	Seats (Total: 15) CHE 2116

URSP810 **Contemporary Metropolitan Issues**

URSP810 Contemporary Metropolitan Issues; (3 credits) Grade Method: REG/AUD.
For Ph.D majors only. Introduces Ph.D. students to current metropolitan issues. Focus is on the historical development of the issue, problem definition, methodological approaches to its study, methodological dilemmas, and the ways that different conclusions are translated into policy. Topics vary from semester to semester but include such topics as the spatial mismatch hpothesis, the impact of urban design and form on travel behavior, the impact of technology on urban form, the justification for historic preservation, and sustainable development.

0101	Marie Howland M 1:00pm - 3:30pm	Seats (Total: 10) ARC 1119

URSP898 **Pre-Candidacy Research**

URSP898 Pre-Candidacy Research; (1-8 credits) Grade Method: S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

URSP899 **Doctoral Dissertation Research**

URSP899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

USLT Latina/o Studies Spring 2009

USLT202 **US Latina/o Studies II: A Contemporary Overview 1960's to present**

USLT202 US Latina/o Studies II: A Contemporary Overview 1960's to present; (3 credits) Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course. CORE Diversity (D) Course.
Interdisciplinary course on emerging populations of Latinos in the 20th century with a focus on the multiple waves of latino immigration as a result of neocolonialism, imperialism, globalization and transnationalism. Examines the positioning of immigrant waves in the political, sociocultural and historical contexts of US Latinidades.

0101	Ivette Rodriguez-Santana	Seats (Total: 30)
	TuTh 3:00pm - 4:15pm	PLS 1113

USLT488A **US Latina/o Capstone: Senior Seminar; Re-searching the Image in the Latino Archive**

USLT488A *(PermReq)* **US Latina/o Capstone: Senior Seminar: Re-searching the Image in the Latino Archive; (3 credits)** Grade Method: REG/P-F/AUD.
This course will focus on infamous cartoons, government agency photography, Hollywood films and other kinds of images. Students will learn the history of the way Latinos have been represented, imagined and Fantasized about in US culture and among latino themselves. Prerequisite: USLT201 or USLT202. Senior Standing.

0101	Ivette Rodriguez-Santana	Seats (Total: 15)
	TuTh 9:30am - 10:45am	PLS 1172

VMSC Veterinary Medical Sciences Spring 2009

VMSC688A **Special Topics in Veterinary Medical Sciences; Advances in Reverse Genetics of Animal Viruses**

VMSC688A Special Topics in Veterinary Medical Sciences: Advances in Reverse Genetics of Animal Viruses; (1-4 credits) Grade Method: REG.

0101	Siba Samal	Seats (Total: 10)
	Contact instructor or department for details.	

VMSC688M **Special Topics in Veterinary Medical Sciences; Test Validation**

VMSC688M Special Topics in Veterinary Medical Sciences: Test Validation; (2 credits) Grade Method: REG.

0101	Francois Elvinger	Seats (Total: 5)
	Contact instructor or department for details.	

VMSC698 **Seminar in Veterinary Medical Science**

VMSC698 Seminar in Veterinary Medical Science; (1 credit) Grade Method: REG.

0101	Utpal Pal	Seats (Total: 20)
	Th 11:00am - 12:00pm Contact instructor or department for details.	Location: TBA

VMSC699 **Special Problems in Veterinary Medical Sciences**

VMSC699 Special Problems in Veterinary Medical Sciences; (1-4 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

VMSC799 **Thesis Research**

VMSC799 Thesis Research; (1-6 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

VMSC898 **Pre-Candidacy Research**

VMSC898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

VMSC899 **Dissertation Research**

VMSC899 *(PermReq)* **Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

WMST Women's Studies Spring 2009

WMST200 **Introduction to Women's Studies: Women and Society**

Both WMST 200 and 250 serve as introductory courses for WMST and may be required before taking some advanced courses with a WMST prefix.

WMST200 Introduction to Women's Studies: Women and Society; (3 credits) Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course. CORE Diversity (D) Course.

An interdisciplinary study of the status, roles, and experiences of women in society. Sources from a variety of fields such as literature, psychology, history, and anthropology, focusing on the writings of women.

0101	Genevieve Page TuTh 9:30am - 10:45am	Seats (Total: 25) WDS 0104	
0201	Genevieve Page TuTh 12:30pm - 1:45pm	Seats (Total: 25) JMZ 2122	
0301	Ana Perez TuTh 11:00am - 12:15pm	Seats (Total: 24) WDS 0104	
0401	Ana Perez TuTh 2:00pm - 3:15pm	Seats (Total: 24) WDS 1114	
0501	Angel Miles MWF 1:00pm - 1:50pm	Seats (Total: 20) SQH 1105	

WMST211 **Women in America Since 1880**

WMST211 Women in America Since 1880; (3 credits) Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course. CORE Diversity (D) Course. *Also offered as HIST211. Credit will be granted for only one of the following: WMST211 or HIST211.* An examination of women's changing roles in working class and middle class families, the effects of industrialization on women's economic activities and status, and women's involvement in political and social struggles, including those for women's rights, birth control, and civil rights.

0101	Robyn Muncy MW 10:00am - 10:50am Tu 1:00pm - 1:50pm	Seats (Total: 20) KEY 0106 JMZ 0122	 Discussion

0102	Robyn Muncy MW 10:00am - 10:50am Tu 10:00am - 10:50am	Seats (Total: 20) KEY 0106 ASY 3221	Discussion
0103	Robyn Muncy MW 10:00am - 10:50am W 12:00pm - 12:50pm	Seats (Total: 20) KEY 0106 JMZ 0103	Discussion
0104	Robyn Muncy MW 10:00am - 10:50am M 12:00pm - 12:50pm	Seats (Total: 20) KEY 0106 JMZ 0120	Discussion
0105	Robyn Muncy MW 10:00am - 10:50am Th 12:30pm - 1:20pm	Seats (Total: 20) KEY 0106 SKN 1112	Discussion
0106	Robyn Muncy MW 10:00am - 10:50am Th 9:30am - 10:20am	Seats (Total: 20) KEY 0106 JMZ 0120	Discussion
0107	Robyn Muncy MW 10:00am - 10:50am M 2:00pm - 2:50pm	Seats (Total: 20) KEY 0106 JMZ 1117	Discussion
0108	Robyn Muncy MW 10:00am - 10:50am W 2:00pm - 2:50pm	Seats (Total: 20) KEY 0106 KEY 0126	Discussion

WMST212 **Women in Western Europe 1750-Present**

WMST212 Women in Western Europe 1750-Present; (3 credits) Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course. CORE Diversity (D) Course.
Also offered as HIST212. Credit will be granted for only one of the following: WMST212 or HIST212. An analysis of the economic, family, and political roles of European women from 1750 to the present. The effects of industrialization on women's work and status, the demographic parameters of women's lives, and women's participation in political events from market riots to suffrage struggles.

0101	Gay Gullickson TuTh 10:00am - 10:50am M 1:00pm - 1:50pm	Seats (Total: 20) KEY 0102 JMZ 1103	Discussion
0102	Gay Gullickson TuTh 10:00am - 10:50am Th 2:00pm - 2:50pm	Seats (Total: 20) KEY 0102 JMZ 0118	Discussion
0103	Gay Gullickson TuTh 10:00am - 10:50am Tu 12:30pm - 1:20pm	Seats (Total: 20) KEY 0102 JMZ 2120	Discussion
0104	Gay Gullickson TuTh 10:00am - 10:50am F 10:00am - 10:50am	Seats (Total: 20) KEY 0102 COL 3114	Discussion

WMST250 **Introduction to Women's Studies: Women, Art and Culture**

WMST250 Introduction to Women's Studies: Women, Art and Culture; (3 credits)
Grade Method: REG/P-F/AUD. CORE History or Theory of Arts (HA) Course. CORE Diversity (D) Course.
An examination of women's creative powers as expressed in selected examples of music, film, art, drama, poetry, fiction, and other literature. Explores women's creativity in relation to families, religion, education, ethnicity, class, sexuality, and within a cultural tradition shaped by women. A third hour for discussion will be arranged for section 0101.

0101	Jeffrey McCune Jr. TuTh 2:00pm - 2:50pm Tu 12:30pm - 1:20pm	Seats (Total: 10) KEY 0102 ASY 3221	Discussion
0102	Jeffrey McCune Jr. TuTh 2:00pm - 2:50pm Th 12:30pm - 1:20pm	Seats (Total: 10) KEY 0102 WDS 1131	Discussion
0103	Jeffrey McCune Jr. TuTh 2:00pm - 2:50pm Tu 12:30pm - 1:20pm	Seats (Total: 10) KEY 0102 ASY 3219	Discussion

0106	Jeffrey McCune Jr. TuTh 2:00pm - 2:50pm Th 12:30pm - 1:20pm	Seats (Total: 10) KEY 0102 EDU 3236	Discussion
0201	Carissa Liro-Hudson TuTh 9:30am - 10:45am	Seats (Total: 24) EDU 2101	
0301	Carissa Liro-Hudson TuTh 12:30pm - 1:45pm	Seats (Total: 24) WDS 1130	
0401	Safoora Nourbakhsh TuTh 11:00am - 12:15pm	Seats (Total: 24) CHE 2136	
0501	Amy Washburn MWF 10:00am - 10:50am	Seats (Total: 24) WDS 1130	
0601	Mel Lewis TuTh 2:00pm - 3:15pm	Seats (Total: 24) PLS 1180	
0701	Anaya McMurray MWF 10:00am - 10:50am	Seats (Total: 21) WDS 0104	
0801	Bettina Judd MWF 12:00pm - 12:50pm	Seats (Total: 21) WDS 1130	
0901	Rajani Bhatia MWF 11:00am - 11:50am	Seats (Total: 21) WDS 0104	

WMST255 **Introduction to Literature by Women**

WMST255 Introduction to Literature by Women; (3 credits) Grade Method: REG/P-F/AUD. CORE Literature (HL) Course. CORE Diversity (D) Course. *Also offered as ENGL250. Credit will be granted for only one of the following: WMST255 or ENGL250.* Images of women in literature by and about women. Discussion available on-line.

0101	Martha Nell Smith TuTh 2:00pm - 2:50pm F 11:00am - 11:50am	Seats (Total: 22) KEY 0106 MTH 0305	Discussion

0102	Martha Nell Smith TuTh 2:00pm - 2:50pm F 1:00pm - 1:50pm	Seats (Total: 22) KEY 0106 SYM 0209	Discussion
0104	Martha Nell Smith TuTh 2:00pm - 2:50pm F 9:00am - 9:50am	Seats (Total: 22) KEY 0106 ARM 0103	Discussion
0105	Martha Nell Smith TuTh 2:00pm - 2:50pm F 10:00am - 10:50am	Seats (Total: 22) KEY 0106 ARM 0101	Discussion
0106	Martha Nell Smith TuTh 2:00pm - 2:50pm F 11:00am - 11:50am	Seats (Total: 22) KEY 0106 BPS 1232	Discussion
0107	Martha Nell Smith TuTh 2:00pm - 2:50pm F 12:00pm - 12:50pm	Seats (Total: 22) KEY 0106 BPS 1124	Discussion
0108	Martha Nell Smith TuTh 2:00pm - 2:50pm F 10:00am - 10:50am	Seats (Total: 22) KEY 0106 PLS 1119	Discussion
0109	Martha Nell Smith TuTh 2:00pm - 2:50pm F 12:00pm - 12:50pm	Seats (Total: 22) KEY 0106 SYM 0209	Discussion

WMST265 **Constructions of Manhood and Womanhood in the Black Community**

WMST265 Constructions of Manhood and Womanhood in the Black Community; (3 credits) Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course. CORE Diversity (D) Course.
Credit will be granted for only one of the following: HONR 219X or WMST 265. Formerly HONR219X. Investigates the ways that African Americans are represented and constructed in public and private spheres and explores the social constructions and representations of Black manhood and womanhood from various disciplinary perspectives.

0101	Elsa Barkley Brown TuTh 11:00am - 12:15pm	Seats (Total: 24) TLF 2103	

WMST275 **World Literature by Women**

WMST275 World Literature by Women; (3 credits) Grade Method: REG/P-F/AUD. CORE Literature (HL) Course. CORE Diversity (D) Course.
Also offered as CMLT275. Credit will be granted for only one of the following: WMST275 or CMLT275. Comparative study of selected works by women writers of several countries, exploring points of intersection and divergence in women's literary representations.

0101	Amy Karp TuTh 12:30pm - 1:45pm	Seats (Total: 35) SQH 1119
0201	Amy Karp TuTh 11:00am - 12:15pm	Seats (Total: 35) HBK 1108
0301	Liora Moriel MW 3:30pm - 4:45pm	Seats (Total: 35) LEF 1220
0401	Almila Ozdek TuTh 12:30pm - 1:45pm	Seats (Total: 35) HBK 1108

WMST314 **Black Women in United States History**

WMST314 Black Women in United States History; (3 credits) Grade Method: REG/P-F/AUD.
Sophomore standing. Also offered as AASP313 and HIST329E. Credit will be granted for only one of the following: AASP498W, AASP313, HIST329E, WMST314 or WMST498N. Formerly WMST498N. Black American women's history from slavery to the present. Focused on gaining a fuller understanding of the effect of race, class and gender on the life cycles and multiple roles of Black women as mothers, daughters, wives, workers and social-change agents.

0101	Elsa Barkley Brown W 3:30pm - 6:00pm	Seats (Total: 30) KEY 0116

WMST325 **The Sociology of Gender**

WMST325 The Sociology of Gender; (3 credits) Grade Method: REG/P-F/AUD. CORE Diversity (D) Course.
Prerequisite: Three credits of sociology. Also offered as SOCY325. Credit will be granted for only one of the following: WMST325 or SOCY325. Institutional bases of gender roles and gender inequality, cultural perspectives on gender, gender socialization, feminism, and gender-role change. Emphasis on contemporary American society.

0101	Carlene Turner TuTh 12:30pm - 1:45pm	Seats (Total: 60) ASY 2309
0201	Nazneen Kane TuTh 11:00am - 12:15pm	Seats (Total: 47) ASY 3207
0301	Mehmet Ergun MWF 12:00pm - 12:50pm	Seats (Total: 60) ASY 2309
0401	Nazneen Kane TuTh 9:30am - 10:45am	Seats (Total: 47) ASY 3207

WMST336 **Psychology of Women**

WMST336 Psychology of Women; (3 credits) Grade Method: REG/P-F/AUD. CORE Diversity (D) Course.
Prerequisite: PSYC100. Also offered as PSYC336. Credit will be granted for only one of the following: WMST336 or PSYC336. A study of the biology, life span development, socialization, personality, mental health, and special issues of women.

0101	Kathryn Levit MW 2:00pm - 3:15pm	Seats (Total: 150) BPS 1250
0201	Kathryn Levit MW 12:00pm - 1:15pm	Seats (Total: 116) BPS 1243

WMST348P **Literary Works by Women; Women on the Plantation**

WMST348P Literary Works by Women: Women on the Plantation; (3 credits) Grade Method: REG/P-F/AUD. CORE Diversity (D) Course.
Also offered as ENGL348P.

0101	Leigh Ryan TuTh 9:30am - 10:45am	Seats (Total: 35) SQH 1103

WMST386 **Experiential Learning**

WMST386 *(PermReq)* **Experiential Learning; (1-6 credits)** Grade Method: REG/P-F. *Prerequisite: Learning Proposal approved by Women's Studies Academic Advisor. Junior standing.*

0101	Michelle Rowley Contact instructor or department for details.	Seats (Total: 15)

WMST400 **Theories of Feminism**

WMST400 Theories of Feminism; (3 credits) Grade Method: REG/P-F/AUD. *Prerequisite: one course in WMST or a course cross-listed with a WMST course.* A study of the multiplicity of feminist theories which have been developed to explain women's position in the family, the workplace, and society. Major feminist writings are considered in the context of their historical moment and in the context of the intellectual traditions to which they relate.

0101	Clare Jen TuTh 12:30pm - 1:45pm	Seats (Total: 30) BPS 1236

WMST420 **Asian American Women: The Social Construction of Gender**

WMST420 Asian American Women: The Social Construction of Gender; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as AAST420. Credit will be granted for only one of the following: AAST420 or WMST420. Examines the intersection of gender, race and class as it relates to Asian American women in the United States; how institutionalized cultural and social statuses of gender, race, ethnicity and social class, produce and reproduce inequality within the lives of Asian American women.

0101	Seung-Kyung Kim Th 3:00pm - 5:30pm	Seats (Total: 30) PLS 1117

WMST452 **Women in the Media**

WMST452 Women in the Media; (3 credits) Grade Method: REG/P-F/AUD. CORE Diversity (D) Course.
Also offered as JOUR452. Credit will be granted for only one of the following: WMST452 or JOUR452. Participation and portrayal of women in the mass media from colonial to contemporary times.

0101	Carol Rogers, Marlene Cimons TuTh 3:30pm - 4:45pm	Seats (Total: 35) JRN 1105

WMST453 **Victorian Women in England, France, and the United States**

WMST453 Victorian Women in England, France, and the United States; (3 credits) Grade Method: REG. CORE Diversity (D) Course.
Also offered as HIST493. Credit will be granted for only one of the following: HIST493 or WMST453. Examines the lives of middle and upper-class women in England, France, and the United States during the Victorian era. Topics include gender roles, work, domesticity, marriage, sexuality, double standards and women's rights.

0101	Gay Gullickson TuTh 2:00pm - 3:15pm	Seats (Total: 18) KEY 2120

WMST471 **Women's Health**

WMST471 Women's Health; (3 credits) Grade Method: REG/P-F/AUD. CORE Diversity (D) Course.
Also offered as HLTH471. Credit will be granted for only one of the following: WMST471 or HLTH471. The women's health movement from the perspective of consumerism and feminism. The physician-patient relationship in the gynecological and other medical settings. The gynecological exam, gynecological problems, contraception, abortion, pregnancy, breast and cervical cancer and surgical procedures. Psychological aspects of gynecological concerns.

0101	Martha Reynolds TuTh 12:30pm - 1:45pm	Seats (Total: 35) SPH 1301
0201	Martha Reynolds TuTh 9:30am - 10:45am	Seats (Total: 35) SPH 1302
0301	Carolyn Voorhees MWF 12:00pm - 12:50pm	Seats (Total: 30) SPH 0302

WMST488A **Senior Seminar; Contemporary Issues in Gender and Development**

WMST488A *(PermReq)* **Senior Seminar: Contemporary Issues in Gender and Development; (3 credits)** Grade Method: REG/P-F/AUD.

0101	Michelle Rowley	Seats (Total: 15)
	Tu 3:30pm - 6:00pm	TYD 1118

WMST488B **Senior Seminar; Traveling Women**

WMST488B *(PermReq)* **Senior Seminar: Traveling Women; (3 credits)** Grade Method: REG/P-F/AUD.

0101	Augusta Bolles	Seats (Total: 15)
	M 3:00pm - 5:30pm	WDS 1127

WMST498H **Advanced Special Topics in Women's Studies; Honors Thesis Writing**

WMST498H *(PermReq)* **Advanced Special Topics in Women's Studies: Honors Thesis Writing; (3 credits)** Grade Method: REG/P-F/AUD.

0101	Michelle Rowley	Seats (Total: 1)
	Contact instructor or department for details.	

WMST498I **Advanced Special Topics in Women's Studies; Representations of Women in Popular Culture**
Contact department for information to register for this course.

WMST498V **Advanced Special Topics in Women's Studies; Scandinavian Women in the Viking Age**

WMST498V Advanced Special Topics in Women's Studies: Scandinavian Women in the Viking Age; (3 credits) Grade Method: REG/P-F/AUD.

0101	Rose-Marie Oster	Seats (Total: 35)
	TuTh 2:00pm - 3:15pm	JMZ 2206

WMST498W **Advanced Special Topics in Women's Studies; South Asia Diaspora**

WMST498W Advanced Special Topics in Women's Studies: South Asia Diaspora; (3 credits) Grade Method: REG/P-F/AUD.
Also offered as AAST498J and HIST429G.

0101	Jyoti Mohan	Seats (Total: 35)
	F 12:00pm - 2:30pm	PLS 1111

WMST499 **Independent Study**

WMST499 *(PermReq)* **Independent Study; (1-3 credits)** Grade Method: REG/P-F.
Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

WMST602 **Approaches to Women's Studies II**

WMST602 *(PermReq)* **Approaches to Women's Studies II; (3 credits)** Grade Method: REG.
Prerequisite: WMST 400 or equivalent. Continued examination of intersectionality and interdisciplinarity with emphasis on the politics of knowledge production and identity.

0101	Deborah Rosenfelt, Elsa Barkley Brown	Seats (Total: 15)
	Tu 4:00pm - 6:30pm	WDS 2101R

WMST618 **Feminist Pedagogy**

WMST618 *(PermReq)* **Feminist Pedagogy; (3 credits)** Grade Method: REG.

0101	Jeffrey McCune Jr.	Seats (Total: 10)
	Contact instructor or department for details.	

WMST619 **Women's Studies Teaching Practicum**

WMST619 *(PermReq)* **Women's Studies Teaching Practicum; (1 credit)** Grade Method: REG.

0101	Deborah Rosenfelt	Seats (Total: 10)
	Contact instructor or department for details.	

WMST621 **Feminist Theories and Women's Movements: Genealogies**

WMST621 *(PermReq)* **Feminist Theories and Women's Movements: Genealogies; (3 credits)** Grade Method: REG/AUD.
Prerequisite: WMST 400 or permission of department. Examines theories to explain the matrix of domination from the nineteenth century to the present. Students learn the key debates that produceed new insights and shifted the ground of subsequent feminist theorizing within multi-racial feminisms. Examines those debates within global perspectives. Examines how dominant theoretical frameworks have been developed at specific historical moments.

0101	Claire Moses	Seats (Total: 15)
	W 6:00pm - 8:30pm	WDS 2101R

WMST628 **Women's Studies Colloquium**

WMST628 *(PermReq)* **Women's Studies Colloquium; (1 credit)** Grade Method: S-F. For WMST students only.

0101	Augusta Bolles	Seats (Total: 10)
	Contact instructor or department for details.	

WMST698D **Special Topics in Women's Studies; Interdisciplinary and Collaborative Research**

WMST698D *(PermReq)* **Special Topics in Women's Studies: Interdisciplinary and Collaborative Research; (1 credit)** Grade Method: REG/AUD.

0101	Ruth Zambrana	Seats (Total: 20)
	Contact instructor or department for details.	

WMST698P **Special Topics in Women's Studies; Intersectionality, Identities and Inequalities**

WMST698P *(PermReq)* **Special Topics in Women's Studies: Intersectionality, Identities and Inequalities; (1 credit)** Grade Method: REG/AUD.
Prerequisite: permssion of department and is only open to CRISP students. This course will meet 2/19, 3/27, 4/16, and 5/7 from 12-2pm in COL1204.

0101	Ruth Zambrana	Seats (Total: 3)
	Contact instructor or department for details.	

WMST698R **Special Topics in Women's Studies; Gender and Development**

WMST698R Special Topics in Women's Studies: Gender and Development; (3 credits) Grade Method: REG/AUD.

0101	Michelle Rowley Th 3:30pm - 6:00pm	Seats (Total: 25) WDS 1130

WMST699 **Independent Study**

WMST699 *(PermReq)* **Independent Study; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

WMST709 **Directed Independent Reading for Major Field Exam**

WMST709 *(PermReq)* **Directed Independent Reading for Major Field Exam; (1-4 credits)** Grade Method: S-F.

0101	Elsa Barkley Brown Contact instructor or department for details.	Seats (Total: 3)
0301	Bonnie Dill Contact instructor or department for details.	Seats (Total: 2)
0601	Jeffrey McCune Jr. Contact instructor or department for details.	Seats (Total: 1)
0701	Claire Moses Contact instructor or department for details.	Seats (Total: 3)
0801	Deborah Rosenfelt Contact instructor or department for details.	Seats (Total: 2)

WMST799 **Masters Thesis Research**

WMST799 *(PermReq)* **Masters Thesis Research; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

WMST898 **Pre-Candidacy Research**

WMST898 Pre-Candidacy Research; (1-8 credits) Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.

WMST899 **Doctoral Dissertation Research**

WMST899 *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Contact department for information to register for this course.
